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## SEARCH REQUEST FORM

Requester's Full Name: SRIRAM KASTUR Examiner #: [REDACTED] Date: 9/10/08  
 Art Unit: 1612 Phone Number: 202-5262 Serial Number: 10581447  
 Location (Bldg/Room): Room 3E Mailbox #: 4670 Results Format: Preferred (only): PAPER DISK

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: Active Compound Compositions Having Insecticidal and  
 Inventors (please provide full names): please see attached Bib data sheet, Acanalal Properties  
Applicants: elulim, Distinct and claims:  
 Earliest Priority Date: \_\_\_\_\_

## Search Topic

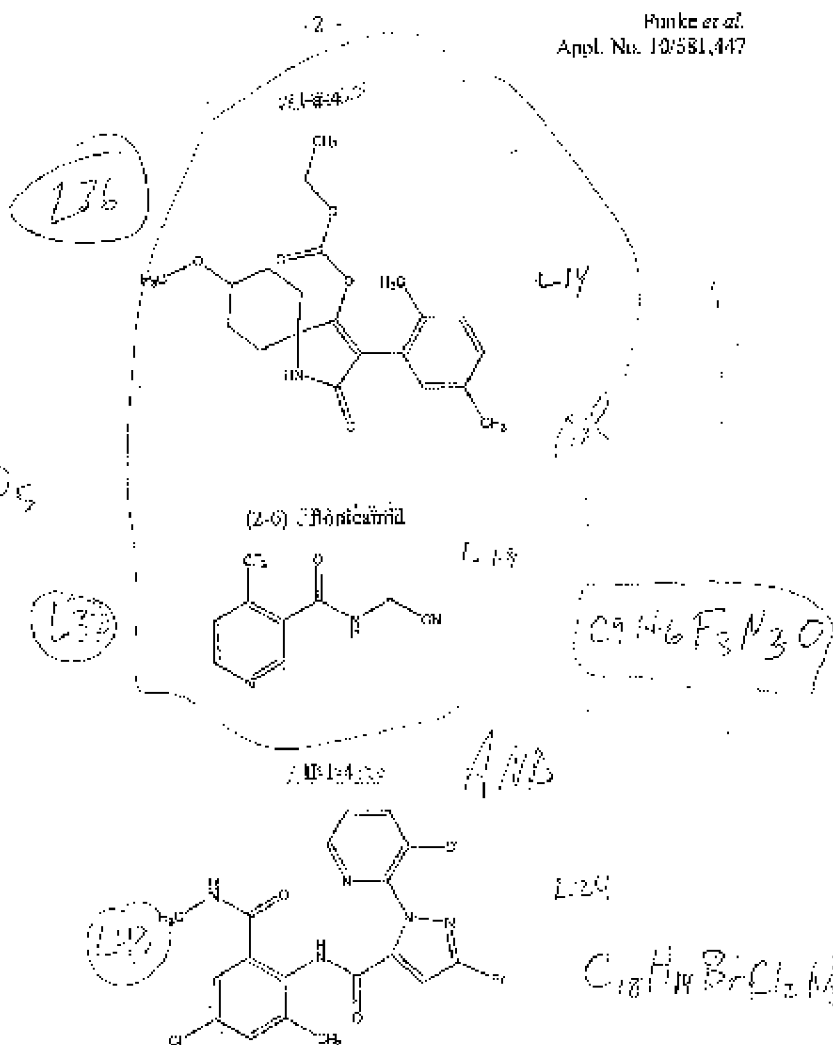
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and describe with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant conditions, exclusions, etc., if known.

"For Sequence Searches Only" Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

please see attached documents

Thank you.

Punkte et al.  
Appl. No. 10/581,447



This election is made with inverse. The Examiner has failed to place claim 10 into either Group I or Group 2. The claims of Group I are directed to compositions comprising compounds of formula I or group II, and compounds of formula II; claim 10 is directed to the preparation of compositions comprising these compounds, and for

Att. Dkt. No. 2400 045000/VLC/BAH

=> fil hcap

FILE 'HCAPLUS' ENTERED AT 10:26:39 ON 11 SEP 2008

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FILE COVERS 1907 - 11 Sep 2008 VOL 149 ISS 11  
FILE LAST UPDATED: 10 Sep 2008 (20080910/ED)

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

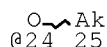
New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

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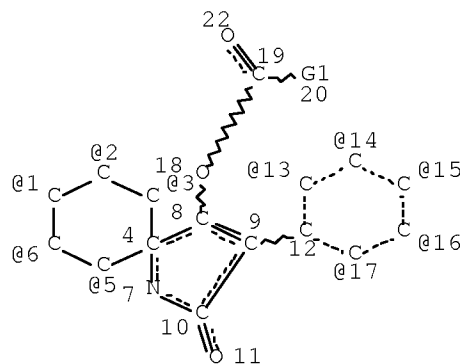
L5 STR

O @23



Ak @26

Ak @27



O @28

VAR G1=23/24

VPA 26-13/14/15 U

VPA 27-13/14/15/16/17 U

VPA 28-3/2/1/6/5 U

NODE ATTRIBUTES:

CONNECT IS E1 RC AT 23

CONNECT IS E1 RC AT 25

CONNECT IS E1 RC AT 26

CONNECT IS E1 RC AT 27

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

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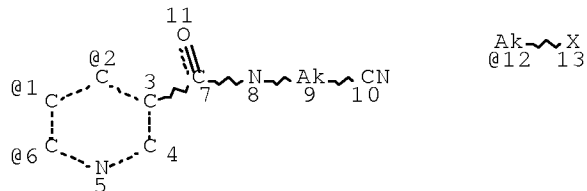
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NUMBER OF NODES IS 27

STEREO ATTRIBUTES: NONE

L14 144 SEA FILE=REGISTRY SSS FUL L5

L17 STR



VPA 12-2/1/6 U

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DEFAULT MLEVEL IS ATOM

GGCAT IS SAT AT 9

DEFAULT ECLEVEL IS LIMITED

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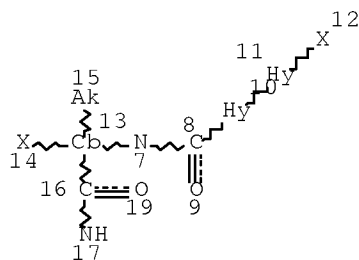
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NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE

L19 324 SEA FILE=REGISTRY SSS FUL L17

L21 STR



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GGCAT IS MCY UNS AT 13

GGCAT IS SAT AT 15

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS E3 C E2 N AT 10

ECOUNT IS M5 C M1 N AT 11

ECOUNT IS E6 C AT 13

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE

L22 99757 SEA FILE=REGISTRY ABB=ON PLU=ON N2C3/ES AND C6/ES AND



NC5/ESS AND NR&gt;2 AND NRS&gt;2

L24 953 SEA FILE=REGISTRY SUB=L22 SSS FUL L21  
 L25 35 SEA FILE=CAPLUS ABB=ON PLU=ON (L14 OR L19) AND L24  
 L27 10327 SEA FILE=HCAPLUS ABB=ON PLU=ON ACARICIDES+PFT/CT  
 L28 78251 SEA FILE=HCAPLUS ABB=ON PLU=ON INSECTICIDES+PFT/CT  
 L29 32 SEA FILE=HCAPLUS ABB=ON PLU=ON L25 AND (L27 OR L28)  
 L30 35 SEA FILE=HCAPLUS ABB=ON PLU=ON L25 OR L29

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L30 ANSWER 1 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:806528 HCAPLUS Full-text  
 DOCUMENT NUMBER: 149:97685  
 TITLE: Pesticide composition comprising propamocarb-  
 hydrochloride and an insecticide active substance  
 INVENTOR(S): Van Den Eynde, Koen; Thielert, Wolfgang; Hungenberg,  
 Heike  
 PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany  
 SOURCE: PCT Int. Appl., 29pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008077926	A2	20080703	WO 2007-EP64425	20071221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: EP 2006-127176 A 20061222

OTHER SOURCE(S): MARPAT 149:97685

AB The present invention relates to a pesticide composition intended for  
 protecting plants, crops or seeds against phytopathogenic fungi or damaging  
 insects, and the corresponding methods of treatment using the said composition  
 More precisely, the pesticide composition is based on propamocarb-HCl, an  
 insecticide, and optionally a further fungicide. Thus, propamocarb-thiacloprid  
 mixture at 200 + 20 ppm synergistically controlled Plutella xylostella on  
 cabbage, with 80% mortality at 4 days after leaves were treated and infested  
 with larvae.

IC ICM A01N

CC 5-4 (Agrochemical Bioregulators)

IT Insecticides

(pesticide composition comprising propamocarb-hydrochloride, an  
 insecticide,

and optionally a further fungicide)

IT 137-26-8D, Thiram, mixts. with propamocarb-hydrochloride and insecticides  
 1897-45-6D, Chlorothalonil, mixts. with propamocarb-hydrochloride and  
 insecticides 5234-68-4D, Carboxin, mixts. with propamocarb-hydrochloride

and insecticides 8018-01-7D, Mancozeb, mixts. with propamocarb-hydrochloride and insecticides 9006-42-2D, Metiram, mixts. with propamocarb-hydrochloride and insecticides 10004-44-1D, Hymexazole, mixts. with propamocarb-hydrochloride and insecticides 12071-83-9D, Propineb, mixts. with propamocarb-hydrochloride and insecticides 12427-38-2D, Maneb, mixts. with propamocarb-hydrochloride and insecticides 13598-36-2D, Phosphorous acid, mixts. with propamocarb-hydrochloride and insecticides, biological studies 39148-24-8D, Fosetyl Al, mixts. with propamocarb-hydrochloride and insecticides 55219-65-3D, Triadimenol, mixts. with propamocarb-hydrochloride and insecticides 57837-19-1D, Metalaxyl, mixts. with propamocarb-hydrochloride and insecticides 57966-95-7D, Cymoxanil, mixts. with propamocarb-hydrochloride and insecticides 66246-88-6D, Penconazole, mixts. with propamocarb-hydrochloride and insecticides 70630-17-0D, Mefenoxam, mixts. with propamocarb-hydrochloride and insecticides 71626-11-4D, Benalaxyl, mixts. with propamocarb-hydrochloride and insecticides 76674-21-0D, Flutriafol, mixts. with propamocarb-hydrochloride and insecticides 79622-59-6D, Fluazinam, mixts. with propamocarb-hydrochloride and insecticides 79983-71-4D, Hexaconazole, mixts. with propamocarb-hydrochloride and insecticides 98243-83-5D, Benalaxyl-M, mixts. with propamocarb-hydrochloride and insecticides 107534-96-3D, Tebuconazole, mixts. with propamocarb-hydrochloride and insecticides 110488-70-5D, Dimethomorph, mixts. with propamocarb-hydrochloride and insecticides 120116-88-3D, Cyazofamid, mixts. with propamocarb-hydrochloride and insecticides 125225-28-7D, Ipconazole, mixts. with propamocarb-hydrochloride and insecticides 131341-86-1D, Fludioxonil, mixts. with propamocarb-hydrochloride and insecticides 131983-72-7D, Triticonazole, mixts. with propamocarb-hydrochloride and insecticides 136426-54-5D, Fluquinconazole, mixts. with propamocarb-hydrochloride and insecticides 141517-21-7D, Trifloxystrobin, mixts. with propamocarb-hydrochloride and insecticides 178928-70-6D, Prothioconazole, mixts. with propamocarb-hydrochloride and insecticides 183675-82-3D, Penthiopyrad, mixts. with propamocarb-hydrochloride and insecticides 237055-17-3D, mixts. with propamocarb-hydrochloride and insecticides 361377-29-9D, Fluoxastrobin, mixts. with propamocarb-hydrochloride and insecticides 374726-62-2D, Mandipropamid, mixts. with propamocarb-hydrochloride and insecticides 413615-35-7D, Benthiavalicarb, mixts. with propamocarb-hydrochloride and insecticides 494793-67-8D, N-[2-(1,3-Dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-1H-pyrazole-4-carboxamide, mixts. with propamocarb-hydrochloride and insecticides 1035350-31-2, Propamocarb-thiacloprid mixture 1035350-32-3, Clothianidin-propamocarb mixture 1035350-33-4, Imidacloprid-propamocarb mixture 1035350-34-5, Propamocarb-thiamethoxam mixture 1035350-35-6, Abamectin-propamocarb hydrochloride mixture 1035350-36-7, Acephate-propamocarb hydrochloride mixture 1035350-37-8, Acetamiprid-propamocarb hydrochloride mixture 1035350-38-9, Acrinathrin-propamocarb hydrochloride mixture 1035350-39-0, Aldicarb-propamocarb hydrochloride mixture 1035350-40-3, Alpha-cypermethrin-propamocarb hydrochloride mixture 1035350-41-4, Bifenthrin-propamocarb hydrochloride mixture 1035350-42-5, Carbaryl-propamocarb hydrochloride mixture 1035350-43-6, Carbofuran-propamocarb hydrochloride mixture 1035350-44-7, Chlorfenapyr-propamocarb hydrochloride mixture 1035350-45-8, Chlorfluazuron-propamocarb hydrochloride mixture 1035350-46-9, 1035350-47-0 1035350-48-1, Cyfluthrin-propamocarb hydrochloride mixture 1035350-49-2 1035350-50-5, Cyromazine-propamocarb hydrochloride mixture 1035350-51-6, Deltamethrin-propamocarb hydrochloride mixture 1035350-52-7, Diflubenzuron-propamocarb hydrochloride mixture 1035350-53-8, Dinotefuran-propamocarb hydrochloride mixture 1035350-54-9 1035350-55-0, Ethiprole-propamocarb hydrochloride mixture 1035350-56-1,

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 Fipronil-propamocarb hydrochloride mixture 1035350-58-3,  
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 Methamidophos-propamocarb hydrochloride mixture 1035350-69-6  
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 Nitenpyram-propamocarb hydrochloride mixture 1035350-75-4,  
 Novaluron-propamocarb hydrochloride mixture 1035350-76-5,  
 Profenofos-propamocarb hydrochloride mixture 1035350-77-6, Propamocarb  
 hydrochloride-pymetrozine mixture 1035350-78-7, Propamocarb  
 hydrochloride-rynaxypyr mixture 1035350-79-8 1035350-80-1, Propamocarb  
 hydrochloride-spirodiclofen mixture 1035350-81-2, Propamocarb  
 hydrochloride-spiromesifen mixture 1035350-82-3 1035350-83-4,  
 Propamocarb hydrochloride-tebufenozide mixture 1035350-84-5, Propamocarb  
 hydrochloride-tebufenpyrad mixture 1035350-85-6, Propamocarb  
 hydrochloride-tebupirimphos mixture 1035350-86-7, Propamocarb  
 hydrochloride-teflubenzuron mixture 1035350-87-8, Propamocarb  
 hydrochloride-tefluthrin mixture 1035350-88-9, Propamocarb  
 hydrochloride-thiacloprid mixture 1035350-89-0, Propamocarb  
 hydrochloride-thiamethoxam mixture 1035350-90-3, Propamocarb  
 hydrochloride-thiodicarb mixture 1035350-91-4, Propamocarb  
 hydrochloride-triazophos mixture 1035350-93-6, Propamocarb  
 hydrochloride-triflumuron mixture 1035350-95-8, Imidaclothiz-propamocarb  
 hydrochloride mixture 1035350-96-9

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(pesticide composition for protecting plants or seeds from phytopathogenic  
 fungi or damaging insects)

IT 1035350-58-3, Flonicamid-propamocarb hydrochloride mixture  
 1035350-78-7, Propamocarb hydrochloride-rynaxypyr mixture  
 1035350-82-3

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(pesticide composition for protecting plants or seeds from phytopathogenic  
 fungi or damaging insects)

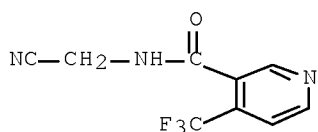
RN 1035350-58-3 HCAPLUS

CN INDEX NAME NOT YET ASSIGNED

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CRN 158062-67-0

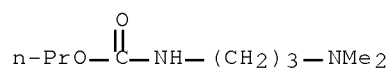
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CM 2

CRN 25606-41-1

CMF C9 H20 N2 O2 . Cl H



● HCl

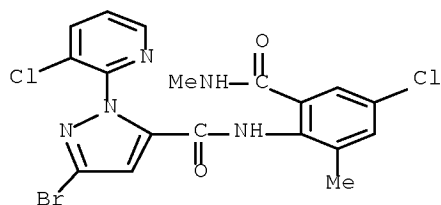
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CN INDEX NAME NOT YET ASSIGNED

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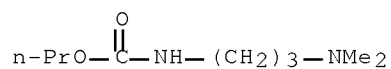
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CM 2

CRN 25606-41-1

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● HCl

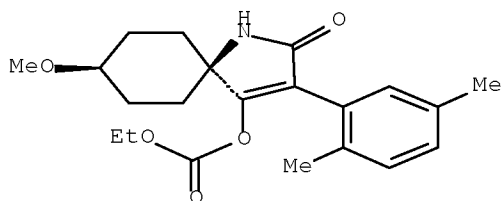
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CN INDEX NAME NOT YET ASSIGNED

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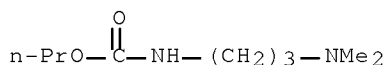
CRN 203313-25-1  
CMF C21 H27 N O5

Relative stereochemistry.



CM 2

CRN 25606-41-1  
CMF C9 H20 N2 O2 . C1 H



● HCl

L30 ANSWER 2 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:806527 HCAPLUS Full-text  
 DOCUMENT NUMBER: 149:97684  
 TITLE: Pesticidal composition comprising a  
 2-pyridylmethylbenzamide derivative and an insecticide  
 compound  
 INVENTOR(S): Hungenberg, Heike; Thielert, Wolfgang; Buschermoehle,  
 Alexander  
 PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany  
 SOURCE: PCT Int. Appl., 47pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008077924	A2	20080703	WO 2007-EP64423	20071221
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CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI,				
GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG,				
KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,				
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,				
PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN,				
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,  
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 BY, KG, KZ, MD, RU, TJ, TM

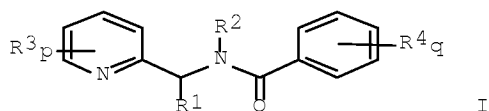
PRIORITY APPLN. INFO.:

EP 2006-127149

A 20061222

OTHER SOURCE(S): MARPAT 149:97684

GI



AB A synergistic pesticidal composition comprises (A) a pyridylmethylbenzamide derivative (I; R1 = H, (un)substituted alkyl, (un)substituted acyl; R2 = H, (un)substituted alkyl; R3, R4 independently = halo, OH, CN, NO2, etc.; p, q = 0-4 integer) and (B) an insecticide in an (A)/(B) weight ratio from 1/1000 to 1000/1. Such a composition may include an addnl. fungicidal compound A method for preventively or curatively controlling phytopathogenic fungi and insects involves applying such a composition to crop plants, plant organs, or to soil or substrates for growth.

IC ICM A01N

CC 5-4 (Agrochemical Bioregulators)

IT Insecticides

(synergistic pesticidal compns. comprising  
 pyridylmethylbenzamides and insecticides)

IT 63-25-2D, Carbaryl, mixts. containing 116-06-3D, Aldicarb, mixts. containing 1563-66-2D, Carbofuran, mixts. containing 2032-65-7D, Methiocarb, mixts. containing 2921-88-2D, Chlorpyrifos E, mixts. containing 10265-92-6D, Methamidophos, mixts. containing 16752-77-5D, Methomyl, mixts. containing 24017-47-8D, Triazophos, mixts. containing 30560-19-1D, Acephate, mixts. containing 35367-38-5D, Diflubenzuron, mixts. containing 35854-47-8D,

derivs.,

mixts. containing 41198-08-7D, Profenofos, mixts. containing 51570-36-6D, Milbemycin, mixts. containing 52315-07-8D, Cypermethrin, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing 59669-26-0D, Thiodicarb, mixts. containing 64628-44-0D, Triflumuron, mixts. containing 66215-27-8D, Cyromazine, mixts. containing 67375-30-8D, Alpha-cypermethrin, mixts.

containing

71422-67-8D, Chlorfluazuron, mixts. containing 71751-41-2D, Abamectin, mixts. containing 76703-62-3D, Gamma-cyhalothrin, mixts. containing 79538-32-2D, Tefluthrin, mixts. containing 82657-04-3D, Bifenthrin, mixts. containing 83121-18-0D, Teflubenzuron, mixts. containing 86479-06-3D, Hexaflumuron, mixts. containing 91465-08-6D,  $\lambda$ -Cyhalothrin, mixts. containing 96182-53-5D, Tebupirimphos, mixts. containing 101007-06-1D, Acrinathrin, mixts. containing 101463-69-8D, Flufenoxuron, mixts. containing 103055-07-8D, Lufenuron, mixts. containing 111988-49-9D, Thiacloprid, mixts. containing 112410-23-8D, Tebufenozide, mixts. containing 116714-46-6D, Novaluron, mixts. containing 119168-77-3D, Tebufenpyrad, mixts. containing 120068-37-3D, Fipronil, mixts. containing 122453-73-0D, Chlorfenapyr, mixts. containing 123312-89-0D, Pymetrozine, mixts. containing 134098-61-6D, Fenpyroximate, mixts. containing 135410-20-7D, Acetamiprid, mixts.

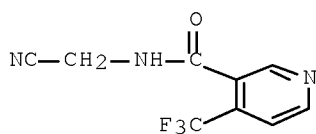
containing

138261-41-3D, Imidacloprid, mixts. containing 148477-71-8D, Spirodiclofen, mixts. containing 150824-47-8D, Nitenpyram, mixts. containing 153719-23-4D, Thiamethoxam, mixts. containing 155569-91-8D, Emamectin benzoate, mixts. containing 158062-67-0D, Flonicamid, mixts. containing 161050-58-4D, Methoxyfenozide, mixts. containing 165252-70-0D, Dinotefuran, mixts. containing 168316-95-8D, Spinosad, mixts. containing 173584-44-6D, Indoxacarb, mixts. containing 181587-01-9D, Ethiprole, mixts. containing 203313-25-1D, Spirotetramat, mixts. containing 210880-92-5D, Clothianidin, mixts. containing 239110-15-7D, Fluopicolide, mixts. containing 272451-65-7D, Flubendiamide, mixts. containing 283594-90-1D, Spiromesifen, mixts. containing 500008-45-7D, Rynaxypyr, mixts. containing 863549-51-3D, Lepimectin, mixts. containing RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses) (synergistic pesticidal compns. comprising pyridylmethylbenzamides and insecticides)

IT 158062-67-0D, Flonicamid, mixts. containing 203313-25-1D, Spirotetramat, mixts. containing 500008-45-7D, Rynaxypyr, mixts. containing RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses) (synergistic pesticidal compns. comprising pyridylmethylbenzamides and insecticides)

RN 158062-67-0 HCAPLUS

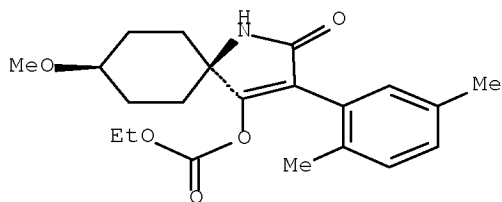
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 203313-25-1 HCAPLUS

CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

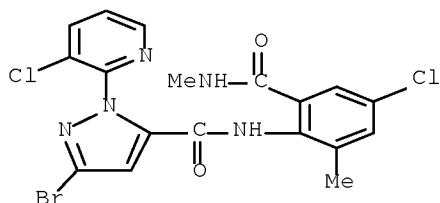
Relative stereochemistry.



RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-

[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 3 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:805951 HCAPLUS Full-text  
 DOCUMENT NUMBER: 149:97693  
 TITLE: Pesticide composition comprising fosetyl-aluminum, propamocarb-HCl and an insecticide active substance  
 INVENTOR(S): Hungenberg, Heike; Thielert, Wolfgang; Van Den Eynde, Koen  
 PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany  
 SOURCE: PCT Int. Appl., 31pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008077931	A2	20080703	WO 2007-EP64430	20071221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: EP 2006-127178 A 20061222  
 OTHER SOURCE(S): MARPAT 149:97693

AB The present invention relates to a pesticide composition intended for protecting plants, crops or seeds against phytopathogenic fungi or damaging insects, and the corresponding methods of treatment using the said composition. More precisely, the subject of the present invention is a pesticide composition based on fosetyl-Al, propamocarb-HCl, an insecticide active substance and optionally a further fungicide active substance.

CC 5-6 (Agrochemical Bioregulators)

IT 63-25-2, Carbaryl 116-06-3, Aldicarb 1563-66-2, Carbofuran 1897-45-6, Chlorothalonil 2032-65-7, Methiocarb 2921-88-2, Chlorpyrifos 5234-68-4, Carboxin 10265-92-6, Methamidophos 16752-77-5, Methomyl 24017-47-8, Triazophos 30560-19-1, Acephate 35367-38-5, Diflubenzuron 41198-08-7, Profenofos 51570-36-6,



Milbemycin 52315-07-8, Cypermethrin 52918-63-5, Deltamethrin 59669-26-0, Thiodicarb 64628-44-0, Triflumuron 66215-27-8, Cyromazine 67375-30-8, Alpha-cypermethrin 68359-37-5, Beta-cyfluthrin 71422-67-8, Chlorfluazuron 71626-11-4, Benalaxyl 71751-41-2, Abamectin 76703-62-3, Gamma-cyhalothrin 79538-32-2, Tefluthrin 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 86479-06-3, Hexaflumuron 91465-08-6,  $\lambda$ -Cyhalothrin 96182-53-5, Tebupirimphos 98243-83-5, Benalaxyl-M 101007-06-1, Acrinathrin 103055-07-8, Lufenuron 105843-36-5, Imidaclothiz 112410-23-8, Tebufenozide 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad 120116-88-3, Cyazofamid 122453-73-0, Chlorfenapyr 123312-89-0, Pymetrozine 135410-20-7, Acetamiprid 138261-41-3, Imidacloprid 148477-71-8, Spirodiclofen 150824-47-8, Nitenpyram 161050-58-4, Methoxyfenozide 165252-70-0, Dinotefuran 168316-95-8, Spinosad 173584-44-6, Indoxacarb 203313-25-1, Spirotetramat 283594-90-1, Spiromesifen 413615-35-7, Benthiavalicarb 500008-45-7, Rynaxypyr 863549-51-3, Lepimectin 1035094-56-4

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(pesticide composition comprising fosetyl-aluminum, propamocarb-HCl and insecticide active substance)

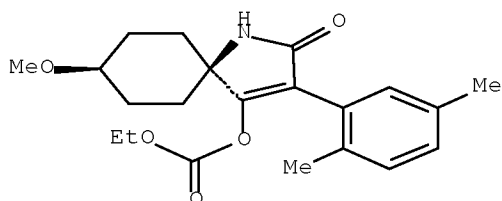
IT 203313-25-1, Spirotetramat 500008-45-7, Rynaxypyr

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(pesticide composition comprising fosetyl-aluminum, propamocarb-HCl and insecticide active substance)

RN 203313-25-1 HCAPLUS

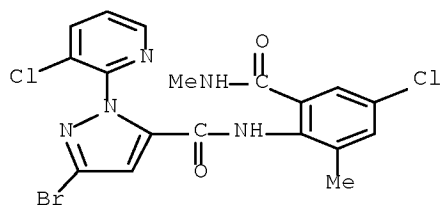
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



ACCESSION NUMBER: 2008:805860 HCAPLUS Full-text  
 DOCUMENT NUMBER: 149:97680  
 TITLE: Pesticide composition comprising propamocarb-  
 fosetylolate and an insecticidally active substance  
 INVENTOR(S): Van Den Eynde, Koen; Andrieux, Marc; Hungenberg, Heike  
 PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany; Thielert, Wolfgang;  
 Suty-Heinze, Anne  
 SOURCE: PCT Int. Appl., 33pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2008077925	A1	20080703	WO 2007-EP64424	20071221
W:				
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GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG,				
KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,				
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,				
PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN,				
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW:				
AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				
IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,				
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,				
GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,				
BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: EP 2006-127172 A 20061222

OTHER SOURCE(S): MARPAT 149:97680

AB A pesticide composition for protecting plants, crops or seeds from  
 phytopathogenic fungi or damaging insects is based on propamocarb- fosetylolate,  
 an insecticide, and optionally a further fungicide. An agronomically  
 effective and substantially nonphytotoxic quantity of such a pesticide  
 composition is applied as a seed treatment, foliar application, stem  
 application, drench or drip application, or chemigation to the seed, the plant  
 or the fruit, or to the soil or substrate for plant growth. Thus, dipping  
 cabbage (*Brassica oleracea*) leaves that were heavily infested by the green  
 peach aphid (*Myzus persicae*) into a preparation containing propamocarb-  
 fosetylolate + clothianidin at 200 + 0.8 ppm killed 95% of the aphids, and the  
 effect was synergistic in comparison to that of the single compds.

CC 5-4 (Agrochemical Bioregulators)

IT Insecticides

(synergistic pesticide composition comprising propamocarb-  
 fosetylolate, insecticide, and optional fungicide)

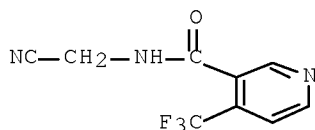
IT 137-26-8D, Thiram, mixts. containing 1897-45-6D, Chlorothalonil, mixts.  
 containing 5234-68-4D, Carboxin, mixts. containing 8018-01-7D, Mancozeb,  
 mixts. containing 9006-42-2D, Metiram, mixts. containing 10004-44-1D,  
 Hymexazole, mixts. containing 12071-83-9D, Propineb, mixts. containing  
 12427-38-2D, Maneb, mixts. containing 13598-36-2D, Phosphorous acid, mixts.  
 containing, biological studies 25606-41-1D, Propamocarb hydrochloride,  
 mixts. containing 39148-24-8D, Fosetyl-aluminum, mixts. containing  
 55219-65-3D, Triadimenol, mixts. containing 57837-19-1D, Metalaxyl, mixts.  
 containing 57966-95-7D, Cymoxanil, mixts. containing 66246-88-6D,  
 Penconazole,  
 mixts. containing 70630-17-0D, Mefenoxam, mixts. containing 71626-11-4D,  
 Benalaxyl, mixts. containing 76674-21-0D, Flutriafol, mixts. containing  
 79622-59-6D, Fluazinam, mixts. containing 79983-71-4D, Hexaconazole, mixts.  
 containing 98243-83-5D, Benalaxyl-M, mixts. containing 107534-96-3D,

Tebuconazole, mixts. containing 110488-70-5D, Dimethomorph, mixts.  
 containing  
 120116-88-3D, Cyazofamid, mixts. containing 125225-28-7D, Ipconazole, mixts.  
 containing 131341-86-1D, Fludioxonil, mixts. containing 131983-72-7D,  
 Triticonazole, mixts. containing 136426-54-5D, Fluquinconazole, mixts.  
 containing 141517-21-7D, Trifloxystrobin, mixts. containing 178928-70-6D,  
 Prothioconazole, mixts. containing 183675-82-3D, Penthiopyrad, mixts.  
 containing  
 237055-17-3D, mixts. containing 361377-29-9D, Fluoxastrobin, mixts.  
 containing  
 374726-62-2D, Mandipropamid, mixts. containing 413615-35-7D,  
 Benthiavalicarb, mixts. containing 494793-67-8D, N-[2-(1,3-  
 Dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-1H-pyrazole-4-carboxamide,  
 mixts. containing 1035375-77-9 1035375-78-0 1035375-79-1 1035375-81-5  
 1035375-82-6 1035375-83-7 1035375-84-8 1035375-85-9 1035375-86-0  
 1035375-87-1 1035375-88-2 1035375-89-3 1035375-90-6 1035375-91-7  
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 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (synergistic pesticide composition comprising propamocarb-fosetylalate,  
 insecticide, and optional fungicide)  
 IT 1035376-03-4 1035376-23-8 1035376-27-2  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (synergistic pesticide composition comprising propamocarb-fosetylalate,  
 insecticide, and optional fungicide)  
 RN 1035376-03-4 HCAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

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CRN 158062-67-0

CMF C9 H6 F3 N3 O



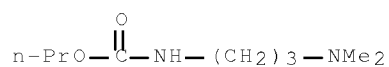
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CRN 237055-17-3

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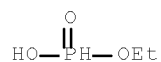
CM 3

CRN 24579-73-5  
CMF C9 H20 N2 O2



CM 4

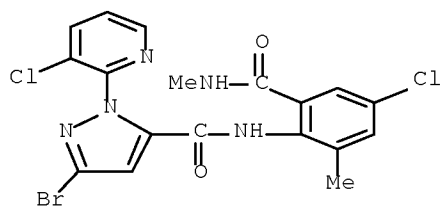
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RN 1035376-23-8 HCAPLUS  
CN INDEX NAME NOT YET ASSIGNED

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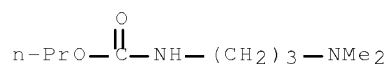


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CM 3

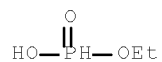
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CM 4

CRN 15845-66-6

CMF C2 H7 O3 P



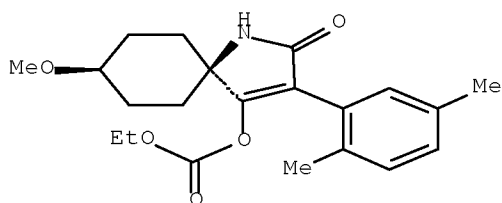
RN 1035376-27-2 HCAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 203313-25-1

CMF C21 H27 N O5

Relative stereochemistry.



CM 2

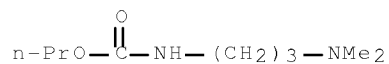
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CMF C9 H20 N2 O2 . C2 H7 O3 P

CM 3

CRN 24579-73-5

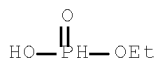
CMF C9 H20 N2 O2



CM 4

CRN 15845-66-6

CMF C2 H7 O3 P



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 5 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:804607 HCAPLUS Full-text  
 DOCUMENT NUMBER: 149:97679  
 TITLE: Pesticidal composition comprising fenamidone and an insecticide compound  
 INVENTOR(S): Hungenberg, Heike; Thielert, Wolfgang; Van Den Eynde, Koen  
 PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany  
 SOURCE: PCT Int. Appl., 51pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008077922	A2	20080703	WO 2007-EP64421	20071221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: EP 2006-127142 A 20061222

OTHER SOURCE(S): MARPAT 149:97679

AB A composition comprises (a) fenamidone and (b) an insecticide compound in an (a)/(b) weight ratio from 1/1000 to 1000/1. The compns. may include an addnl. fungicidal compound A method for preventively or curatively controlling phytopathogenic fungi and insects involves applying such a composition to the plant, plant organs, or to soil or substrates for growth. Thus, fenamidone + imidacloprid caused 100% mortality of Plutella xylostella on cabbage leaves after 4 days; the effect of the compds. was synergistic.

CC 5-4 (Agrochemical Bioregulators)

IT Insecticides

(synergistic pesticidal compns. containing fenamidone and)

IT 1035224-21-5, Abamectin-fenamidone mixture 1035224-23-7, Acephate-fenamidone mixture 1035224-25-9, Acetamiprid-fenamidone mixture 1035224-27-1, Acrinathrin-fenamidone mixture 1035224-29-3, Aldicarb-fenamidone mixture 1035224-31-7, Alpha-cypermethrin-fenamidone mixture 1035224-33-9, Bifenthrin-fenamidone mixture 1035224-35-1, Carbaryl-fenamidone mixture 1035224-37-3, Carbofuran-fenamidone mixture

1035224-39-5, Chlorfenapyr-fenamidone mixture 1035224-41-9,  
 Chlorfluazuron-fenamidone mixture 1035224-43-1 1035224-44-2,  
 Clothianidin-fenamidone mixture 1035224-46-4, Cyfluthrin-fenamidone mixture  
 1035224-48-6, Cypermethrin-fenamidone mixture 1035224-50-0,  
 Cyromazine-fenamidone mixture 1035224-52-2, Deltamethrin-fenamidone mixture  
 1035224-54-4, Diflubenzuron-fenamidone mixture 1035224-55-5,  
 Dinotefuran-fenamidone mixture 1035224-57-7, Emelectin benzoate-fenamidone  
 mixture 1035224-59-9, Ethiprole-fenamidone mixture 1035224-61-3,  
 Fenamidone-fenpyroximate mixture 1035224-63-5, Fenamidone-fipronil mixture  
 1035224-64-6, Fenamidone-flonicamid mixture 1035224-66-8,  
 Fenamidone-flubendiamide mixture 1035224-68-0, Fenamidone-flufenoxuron  
 mixture 1035224-70-4, Gamma-cyhalothrin-fenamidone mixture 1035224-72-6,  
 Fenamidone-hexaflumuron mixture 1035224-74-8, Fenamidone-imidacloprid  
 mixture 1035224-76-0, Fenamidone-indoxacarb mixture 1035224-78-2  
 1035224-80-6, Fenamidone-lepimectin mixture 1035224-82-8,  
 Fenamidone-lufenuron mixture 1035224-84-0, Fenamidone-methamidophos mixture  
 1035224-86-2, Fenamidone-methiocarb mixture 1035224-88-4,  
 Fenamidone-methomyl mixture 1035224-90-8, Fenamidone-methoxyfenozide mixture  
 1035224-92-0, Fenamidone-milbemycin mixture 1035224-94-2,  
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 mixture 1035225-04-7, Fenamidone-spinosad mixture 1035225-06-9,  
 Fenamidone-spirodiclofen mixture 1035225-08-1, Fenamidone-spiromesifen  
 mixture 1035225-10-5, Fenamidone-spirotetramat mixture  
 1035225-12-7, Fenamidone-tebufenozide mixture 1035225-14-9,  
 Fenamidone-tebufenpyrad mixture 1035225-16-1, Fenamidone-tebupirimphos  
 mixture 1035225-18-3, Fenamidone-teflubenzuron mixture 1035225-20-7,  
 Fenamidone-tefluthrin mixture 1035225-21-8, Fenamidone-thiacloprid mixture  
 1035225-23-0, Fenamidone-thiamethoxam mixture 1035225-24-1,  
 Fenamidone-thiodicarb mixture 1035225-25-2, Fenamidone-triazophos mixture  
 1035225-26-3, Fenamidone-triflumuron mixture

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(as synergistic pesticidal composition)

IT 1035224-64-6, Fenamidone-flonicamid mixture 1035225-02-5,  
 Fenamidone-rynaxypyr mixture 1035225-10-5, Fenamidone-  
 spirotetramat mixture

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(as synergistic pesticidal composition)

RN 1035224-64-6 HCAPLUS

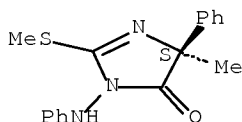
CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 161326-34-7

CMF C17 H17 N3 O S

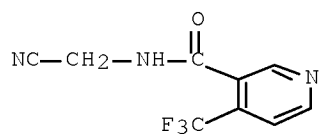
Absolute stereochemistry. Rotation (+).



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



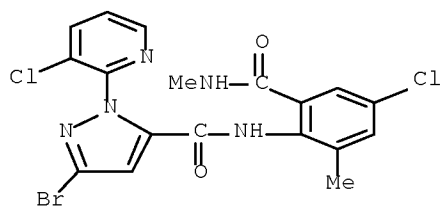
RN 1035225-02-5 HCAPLUS

CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2

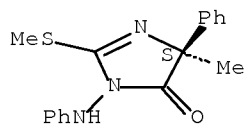


CM 2

CRN 161326-34-7

CMF C17 H17 N3 O S

Absolute stereochemistry. Rotation (+).



RN 1035225-10-5 HCAPLUS

CN INDEX NAME NOT YET ASSIGNED

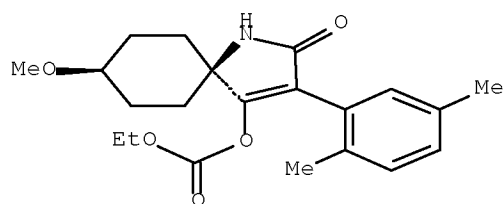
CM 1

CRN 203313-25-1

CMF C21 H27 N O5



Relative stereochemistry.

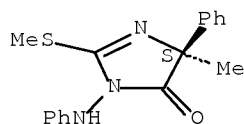


CM 2

CRN 161326-34-7

CMF C17 H17 N3 O S

Absolute stereochemistry. Rotation (+).



L30 ANSWER 6 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:804511 HCAPLUS Full-text  
 DOCUMENT NUMBER: 149:97692  
 TITLE: Pesticide composition comprising fosetyl-aluminum and  
 an insecticide active substance  
 INVENTOR(S): Hungenberg, Heike; Thielert, Wolfgang; Van Den Eynde,  
 Koen  
 PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany  
 SOURCE: PCT Int. Appl., 29pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008077930	A2	20080703	WO 2007-EP64429	20071221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,				

BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

EP 2006-127177

A 20061222

OTHER SOURCE(S):

MARPAT 149:97692

AB The present invention relates to a pesticide composition intended for protecting plants, crops or seeds against phytopathogenic fungi or damaging insects, and the corresponding methods of treatment using the said composition. More precisely, the subject of the present invention is a pesticide composition based on fosetyl-Al, an insecticide active substance and optionally a further fungicide active substance.

CC 5-6 (Agrochemical Bioregulators)

IT Brassica oleracea

Fruit (plant organ)

Insecticides

Pesticide formulations

Plutella xylostella

Seed

Soil amendments

Spodoptera frugiperda

(pesticide composition comprising fosetyl-aluminum and insecticide active substance)

IT 63-25-2, Carbaryl 116-06-3, Aldicarb 137-26-8, Thiram 1563-66-2, Carbofuran 1897-45-6, Chlorothalonil 2032-65-7, Methiocarb 2921-88-2, Chlorpyrifos 5234-68-4, Carboxin 8018-01-7, Mancozeb 9006-42-2, Metiram 10004-44-1, Hymexazole 10265-92-6, Methamidophos 12071-83-9, Propineb 12427-38-2, Maneb 13598-36-2, Phosphorous acid, biological studies 16752-77-5, Methomyl 24017-47-8, Triazophos 25606-41-1, Propamocarb-hydrochloride 30560-19-1, Acephate 35367-38-5, Diflubenzuron 41198-08-7, Profenofos 51570-36-6, Milbemycin 52315-07-8, Cypermethrin 52918-63-5, Deltamethrin 55219-65-3, Triadimenol 57837-19-1, Metalaxyl 57966-95-7, Cymoxanil 59669-26-0, Thiodicarb 64628-44-0, Triflumuron 66215-27-8, Cyromazine 66246-88-6, Penconazole 67375-30-8, Alpha-cypermethrin 68359-37-5, Beta-cyfluthrin 70630-17-0, Mefenoxam 71422-67-8, Chlorfluazuron 71626-11-4, Benalaxyl 71751-41-2, Abamectin 76674-21-0, Flutriafof 76703-62-3, Gamma-cyhalothrin 79538-32-2, Tefluthrin 79622-59-6, Fluazinam 79983-71-4, Hexaconazole 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 86479-06-3, Hexaflumuron 91465-08-6,  $\lambda$ -Cyhalothrin 96182-53-5, Tebupirimphos 98243-83-5, Benalaxyl-M 101007-06-1, Acrinathrin 101463-69-8, Flufenoxuron 103055-07-8, Lufenuron 105843-36-5, Imidaclothiz 107534-96-3, Tebuconazole 110488-70-5, Dimethomorph 112410-23-8, Tebufenozide 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad 120068-37-3, Fipronil 120116-88-3, Cyazofamid 122453-73-0, Chlorfenapyr 123312-89-0, Pymetrozine 125225-28-7, Ipconazole 131341-86-1, Fludioxonil 131983-72-7, Triticonazole 134098-61-6, Fenpyroximate 135410-20-7, Acetamiprid 136426-54-5, Fluquinconazole 138549-08-3 141517-21-7, Trifloxystrobin 148477-71-8, Spirodiclofen 150824-47-8, Nitenpyram 155569-91-8, Emamectin benzoate 158062-67-0, Flonicamid 161050-58-4, Methoxyfenozide 165252-70-0, Dinotefuran 168316-95-8, Spinosad 173584-44-6, Indoxacarb 178928-70-6, Prothioconazole 181587-01-9, Ethiprole 183675-82-3, Penthiopyrad 203313-25-1, Spirotetramat 272451-65-7, Flubendiamide 283594-90-1, Spiromesifen 361377-29-9, Fluoxastrobin 374726-62-2, Mandipropamid 413615-35-7, Benthiavalicarb 494793-67-8, N-[2-(1,3-Dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-1H-pyrazole-4-carboxamide 500008-45-7, Rynaxypyr 863549-51-3, Lepimectin 1035094-56-4

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(pesticide composition comprising fosetyl-aluminum and insecticide active substance)

IT 158062-67-0, Flonicamid 203313-25-1, Spirotetramat

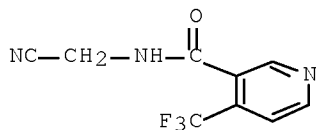
500008-45-7, Rynaxypyr

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(pesticide composition comprising fosetyl-aluminum and insecticide active substance)

RN 158062-67-0 HCAPLUS

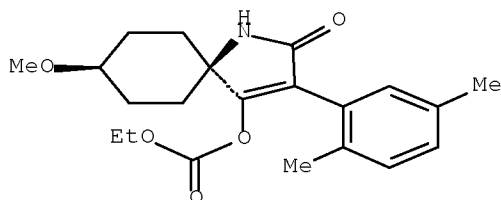
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 203313-25-1 HCAPLUS

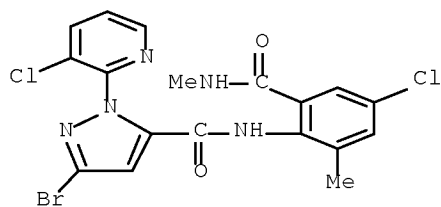
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 7 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:799958 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 149:97673

TITLE: Synergistic insecticide or acaricide compositions containing cyenopyrafen, and method for control of insects and mites

INVENTOR(S): Takii, Shinji

PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 17pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2008150302	A	20080703	JP 2006-338036	20061215

PRIORITY APPLN. INFO.: JP 2006-338036 20061215

AB The insecticide or acaricide compns. contain (E)-2-(4-tert-butylphenyl)-2-cyano-1-(1,3,4-trimethylpyrazol-5-yl)vinyl 2,2-dimethylpropionate (cyenopyrafen) and  $\geq 1$  compound (C) selected from aldoxycarb, cadusafos, dichlofenthion, DSP, ethoprophos, etc. Insects or mites are controlled by application of cyenopyrafen and compound C at the same time or at adjacent positions. A composition containing 30% cyenopyrafen and a composition containing 20% amitraz were diluted with water and sprayed sep. to a mandarin orange leaf inoculated with *Aculops pelekassi*, showing LC50 of 0.5 ppm. Formulation examples of a wettable powder, emulsifiable concentrate, suspension concentrate, water-dispersible granule, and dustable powder are given.

CC 5-4 (Agrochemical Bioregulators)

IT Acaricides  
 Insecticides  
 (synergistic insecticide or acaricide compns. containing cyenopyrafen, and method for control of insects and mites)

IT 52-68-6D, Trichlorfon, mixts. containing cyenopyrafen 55-38-9D, Fenthion, mixts. containing cyenopyrafen 56-38-2D, Parathion, mixts. containing cyenopyrafen 60-51-5D, Dimethoate, mixts. containing cyenopyrafen 62-73-7D, Dichlorvos, mixts. containing cyenopyrafen 63-25-2D, Carbaryl, mixts. containing cyenopyrafen 72-43-5D, Methoxychlor, mixts. containing cyenopyrafen 83-79-4D, Rotenone, mixts. containing cyenopyrafen 86-50-0D, Azinphos-methyl, mixts. containing cyenopyrafen 97-17-6D, Dichlofenthion, mixts. containing cyenopyrafen 115-32-2D, Dicofol, mixts. containing cyenopyrafen 115-90-2D, Fensulfothion, mixts. containing cyenopyrafen 116-06-3D, Aldicarb, mixts. containing cyenopyrafen 121-75-5D, Malathion, mixts. containing cyenopyrafen 122-14-5D, Fenitrothion, mixts. containing cyenopyrafen 297-97-2D, Thionazin, mixts. containing cyenopyrafen 298-00-0D, Parathion-methyl, mixts. containing cyenopyrafen 298-02-2D, Phorate, mixts. containing cyenopyrafen 298-04-4D, Disulfoton, mixts. containing cyenopyrafen 301-12-2D, Oxydemeton-methyl, mixts. containing cyenopyrafen 333-41-5D, Diazinon, mixts. containing cyenopyrafen 470-90-6D, Chlorfenvinphos, mixts. containing cyenopyrafen 510-15-6D, Chlorobenzilate, mixts. containing cyenopyrafen 584-79-2D, Allethrin, mixts. containing cyenopyrafen 640-15-3D, Thiometon, mixts. containing cyenopyrafen 732-11-6D, Phosmet, mixts. containing cyenopyrafen 944-22-9D, Fonofos, mixts. containing cyenopyrafen 950-37-8D, Methidathion, mixts. containing cyenopyrafen 1113-02-6D, Omethoate, mixts. containing cyenopyrafen 1129-41-5D, Metolcarb, mixts. containing cyenopyrafen 1563-66-2D, Carbofuran, mixts. containing cyenopyrafen 1646-88-4D, Aldoxycarb, mixts. containing cyenopyrafen 2104-64-5D, EPN, mixts. containing cyenopyrafen 2227-17-0D, Dienochlor, mixts. containing cyenopyrafen 2274-67-1D, Dimethylvinphos, mixts. containing cyenopyrafen 2310-17-0D, Phosalone, mixts. containing cyenopyrafen 2312-35-8D, Propargite, mixts. containing cyenopyrafen 2540-82-1D, Formothion, mixts. containing cyenopyrafen 2597-03-7D, Phenthoate, mixts. containing cyenopyrafen 2631-40-5D, Isoproc carb, mixts. containing cyenopyrafen 2674-91-1D, Oxydeprofos, mixts.

containing cyenopyrafen 2921-88-2D, Chlorpyrifos, mixts. containing cyenopyrafen 3078-97-5D, DSP (pesticide), mixts. containing cyenopyrafen 3689-24-5D, Sulfotep, mixts. containing cyenopyrafen 3766-81-2D, Fenobucarb, mixts. containing cyenopyrafen 5598-13-0D, Chlorpyrifos-methyl, mixts. containing cyenopyrafen 6923-22-4D, Monocrotophos, mixts. containing cyenopyrafen 7292-16-2D, Propaphos, mixts. containing cyenopyrafen 7704-34-9D, Sulfur, mixts. containing cyenopyrafen 10265-92-6D, Methamidophos, mixts. containing cyenopyrafen 13071-79-9D, Terbufos, mixts. containing cyenopyrafen 13121-70-5D, Cyhexatin, mixts. containing cyenopyrafen 13171-21-6D, Phosphamidon, mixts. containing cyenopyrafen 13194-48-4D, Ethoprophos, mixts. containing cyenopyrafen 13356-08-6D, Fenbutatin oxide, mixts.

containing cyenopyrafen 14816-18-3D, Phoxim, mixts. containing cyenopyrafen 15263-53-3D, Cartap, mixts. containing cyenopyrafen 16752-77-5D, Methomyl, mixts. containing cyenopyrafen 17606-31-4D, Bensultap, mixts. containing cyenopyrafen 18181-80-1D, Bromopropylate, mixts. containing cyenopyrafen 18854-01-8D, Isoxathion, mixts. containing cyenopyrafen 21548-32-3D, Fosthietan, mixts. containing cyenopyrafen 22224-92-6D, Fenamiphos, mixts. containing cyenopyrafen 22248-79-9D, Tetrachlorvinphos, mixts. containing cyenopyrafen 22259-30-9D, Formetanate, mixts. containing cyenopyrafen 22781-23-3D, Bendiocarb, mixts. containing cyenopyrafen 23103-98-2D, Pirimicarb, mixts. containing cyenopyrafen 23135-22-0D, Oxamyl (pesticide), mixts. containing cyenopyrafen 25311-71-1D, Isofenphos, mixts. containing cyenopyrafen 27519-02-4D, Muscalure, mixts. containing cyenopyrafen 29232-93-7D, Pirimiphos-methyl, mixts. containing cyenopyrafen 29973-13-5D, Ethiofencarb, mixts. containing cyenopyrafen 30560-19-1D, Acephate, mixts. containing cyenopyrafen 30864-28-9D, Methacrifos, mixts. containing cyenopyrafen 31895-21-3D, Thiocyclam, mixts. containing cyenopyrafen 33089-61-1D, Amitraz, mixts. containing cyenopyrafen 34643-46-4D, Prothiofos, mixts. containing cyenopyrafen 34681-10-2D, Butocarboxim, mixts. containing cyenopyrafen 35367-38-5D, Diflubenzuron, mixts. containing cyenopyrafen 35400-43-2D, Sulprofos, mixts. containing cyenopyrafen 37273-91-9D, Metaldehyde, mixts. containing cyenopyrafen 38260-54-7D, Etrimfos, mixts. containing cyenopyrafen 39196-18-4D, Thiofanox, mixts. containing cyenopyrafen 39515-41-8D, Fenpropathrin, mixts. containing cyenopyrafen 40596-69-8D, Methoprene, mixts. containing cyenopyrafen 41198-08-7D, Profenofos, mixts. containing cyenopyrafen 42509-80-8D, Isazofos, mixts. containing cyenopyrafen 51596-10-2D, Milbemectin, mixts. containing cyenopyrafen 51630-58-1D, Fenvalerate, mixts. containing cyenopyrafen 52315-07-8D, Cypermethrin, mixts. containing cyenopyrafen 52645-53-1D, Permethrin, mixts. containing cyenopyrafen 52918-63-5D, Deltamethrin, mixts. containing cyenopyrafen 55285-14-8D, Carbosulfan, mixts. containing cyenopyrafen 57960-19-7D, Acequinocyl, mixts. containing cyenopyrafen 59669-26-0D, Thiodicarb, mixts. containing cyenopyrafen 62850-32-2D, Fenothiocarb, mixts. containing cyenopyrafen 63837-33-2D, Diofenolan, mixts. containing cyenopyrafen 63935-38-6D, Cycloprothrin, mixts. containing cyenopyrafen 64628-44-0D, Triflumuron, mixts. containing cyenopyrafen 65907-30-4D, Furathiocarb, mixts. containing cyenopyrafen 66215-27-8D, Cyromazine, mixts. containing cyenopyrafen 66230-04-4D, Esfenvalerate, mixts. containing cyenopyrafen 66602-87-7D, Isamidofos, mixts. containing cyenopyrafen 66841-25-6D, Tralomethrin, mixts. containing cyenopyrafen 67485-29-4D, Hydramethylnon, mixts. containing cyenopyrafen 68085-85-8D, Cyhalothrin, mixts. containing cyenopyrafen 68359-37-5D, Cyfluthrin, mixts. containing cyenopyrafen 69327-76-0D, Buprofezin, mixts. containing cyenopyrafen 69409-94-5D, Fluvalinate, mixts. containing cyenopyrafen 70124-77-5D, Flucythrinate, mixts. containing cyenopyrafen 71422-67-8D, Chlorfluazuron, mixts.

containing

cyenopyrafen 71751-41-2D, Abamectin, mixts. containing cyenopyrafen 72490-01-8D, Fenoxycarb, mixts. containing cyenopyrafen 74115-24-5D, Clofentezine, mixts. containing cyenopyrafen 78587-05-0D, Hexythiazox, mixts. containing cyenopyrafen 79538-32-2D, Tefluthrin, mixts. containing cyenopyrafen 80060-09-9D, Diafenthiuron, mixts. containing cyenopyrafen 80844-07-1D, Ethofenprox, mixts. containing cyenopyrafen 80966-70-7D, Bamidothion, mixts. containing cyenopyrafen 82560-54-1D, Benfuracarb, mixts. containing cyenopyrafen 82657-04-3D, Bifenthrin, mixts. containing

cyenopyrafen

83121-18-0D, Teflubenzuron, mixts. containing cyenopyrafen 83130-01-2D, Alanycarb, mixts. containing cyenopyrafen 86479-06-3D, Hexaflumuron, mixts. containing cyenopyrafen 89784-60-1D, Pyraclofos, mixts. containing

cyenopyrafen

91465-08-6D,  $\lambda$ -Cyhalothrin, mixts. containing cyenopyrafen 95465-99-9D, Cadusafos, mixts. containing cyenopyrafen 95737-68-1D, Pyriproxyfen, mixts. containing cyenopyrafen 98886-44-3D, Fosthiazate, mixts. containing cyenopyrafen 101007-06-1D, Acrinathrin, mixts. containing cyenopyrafen 101463-69-8D, Flufenoxuron, mixts. containing cyenopyrafen 102851-06-9D,  $\tau$ -Fluvalinate, mixts. containing cyenopyrafen 103055-07-8D, Lufenuron, mixts. containing cyenopyrafen 105024-66-6D, Silafluofen, mixts. containing cyenopyrafen 105779-78-0D, Pyrimidifen, mixts. containing cyenopyrafen 107713-58-6D, Flufenprox, mixts. containing cyenopyrafen 111872-58-3D, Halfenprox, mixts. containing cyenopyrafen 111988-49-9D, Thiachlopid, mixts. containing cyenopyrafen 112143-82-5D, Triazuron, mixts. containing cyenopyrafen 112226-61-6D, Halofenozide, mixts. containing cyenopyrafen 112410-23-8D, Tebufenozide, mixts. containing cyenopyrafen 119168-77-3D, Tebufenpyrad, mixts. containing cyenopyrafen 119544-94-4D, Protrifenbute, mixts. containing cyenopyrafen 120068-37-3D, Fipronil, mixts. containing cyenopyrafen 120928-09-8D, Fenazaquin, mixts. containing cyenopyrafen 122453-73-0D, Chlorfenapyr, mixts. containing cyenopyrafen 123312-89-0D, Pymetrozine, mixts. containing cyenopyrafen 129558-76-5D, Tolfenpyrad, mixts. containing cyenopyrafen 134098-61-6D, Fenpyroximate, mixts. containing cyenopyrafen 135410-20-7D, Acetamiprid, mixts. containing cyenopyrafen 138261-41-3D, Imidacloprid, mixts. containing cyenopyrafen 139968-49-3D, Metaflumizone, mixts. containing cyenopyrafen 143807-66-3D, Chromafenozide, mixts. containing cyenopyrafen 150824-47-8D, Nitenpyram, mixts. containing cyenopyrafen 153233-91-1D, Etoxazole, mixts. containing cyenopyrafen 153719-23-4D, Diaclofen, mixts. containing

cyenopyrafen

155569-91-8D, Emamectin-benzoate, mixts. containing cyenopyrafen 158062-67-0D, Flonicamid, mixts. containing cyenopyrafen 161050-58-4D, Methoxyfenozide, mixts. containing cyenopyrafen 165252-70-0D, Dinotefuran, mixts. containing cyenopyrafen 168316-95-8D, Spinosad, mixts. containing cyenopyrafen 170015-32-4D, Flufenerim, mixts. containing

cyenopyrafen

173584-44-6D, Indoxacarb, mixts. containing cyenopyrafen 179101-81-6D, Pyridalyl, mixts. containing cyenopyrafen 181587-01-9D, Ethiprole, mixts. containing cyenopyrafen 210880-92-5D, Clothianidin, mixts. containing cyenopyrafen 229977-93-9D, Fluacrypyrim, mixts. containing cyenopyrafen 272451-65-7D, Flubendiamide, mixts. containing cyenopyrafen 337458-27-2D, Pyrfluquinazon, mixts. containing cyenopyrafen 500008-45-7D, Rynaxypyr, mixts. containing cyenopyrafen 560121-52-0D, Cyenopyrafen, mixts. containing 1035211-69-8, Cyenopyrafen-fenbutatin oxide mixture 1035211-70-

1,

Cyenopyrafen-fenpropathrin mixture 1035211-71-2, Cyenopyrafen-methoxyfenozide mixture 1035211-72-3, Cyenopyrafen-methomyl mixture 1035211-73-4, Cyenopyrafen-ethofenprox mixture  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(synergistic insecticide or acaricide compns. containing cyenopyrafen, and method for control of insects and mites)

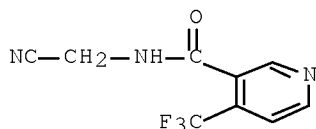
IT 158062-67-0D, Flonicamid, mixts. containing cyenopyrafen  
500008-45-7D, Rynaxypyr, mixts. containing cyenopyrafen

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(synergistic insecticide or acaricide compns. containing cyenopyrafen, and method for control of insects and mites)

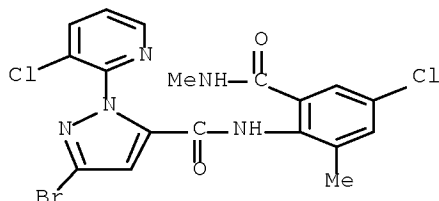
RN 158062-67-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 8 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:773828 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 149:97668

TITLE: Pest control compositions containing amides

INVENTOR(S): Nomura, Michikazu; Tomura, Naofumi; Kawahara, Atsuko; Daido, Hidenori

PATENT ASSIGNEE(S): Mitsui Chemicals, Inc., Japan

SOURCE: PCT Int. Appl., 241pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2008075453	A1	20080626	WO 2007-JP1347	20071205
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG,			

KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,  
 MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,  
 PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN,  
 TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,  
 GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,  
 BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

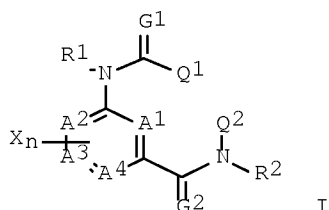
JP 2006-340922

A 20061219

OTHER SOURCE(S):

MARPAT 149:97668

GI



AB Pesticide compns. contain  $\geq 1$  amide (I; A1-A4 = C, N, oxidized N; R1, R2 independently = H, C1-4 alkyl, C1-4 alkylcarbonyl; G1, G2 = O, S; X = H, halo, CF3; n = 0-4 integer; Q1, Q2 = (un)substituted Ph, heterocyclyl) and  $\geq 1$  publicly known insecticide, acaricide, or microbicide as active ingredients. Thus, N-[2-bromo-4- (heptafluoroisopropyl)-6-trifluoromethylthiolphenyl 3- [(N'-benzoyl-N'- methyl)amino]benzamide (II, prepared) + acephate at 30 + 250 ppm gave 100% control of green peach aphid (Myzus persicae), whereas control with 30 ppm II was 27% and control with 250 ppm acephate was only 11%.

CC 5-4 (Agrochemical Bioregulators)

Section cross-reference(s): 25

IT Acaricides

Insecticides

(pest control compns. containing amides and)

IT 74115-24-5D, Clofentezine, mixts. with amides 74738-17-3D, Fenpiclonil, mixts. with amides 74937-48-7D, mixts. with amides 76280-91-6D, Tecloftalam, mixts. with amides 76674-21-0D, Flutriafol, mixts. with amides 76703-62-3D, Gamma-cyhalothrin, mixts. with amides 77732-09-3D, Oxadixyl, mixts. with amides 78587-05-0D, Hexythiazox, mixts. with amides 79538-32-2D, Tefluthrin, mixts. with amides 79622-59-6D, Fluazinam, mixts. with amides 79983-71-4D, Hexaconazole, mixts. with amides 80060-09-9D, Diafenthiuron, mixts. with amides 80844-07-1D, Ethofenprox, mixts. with amides 81412-43-3D, Tridemorph, mixts. with amides 82560-54-1D, Benfuracarb, mixts. with amides 82657-04-3D, Bifenthrin, mixts. with amides 83121-18-0D, Teflubenzuron, mixts. with amides 83130-01-2D, Alanycarb, mixts. with amides 83657-24-3D, Diniconazole, mixts. with amides 84332-86-5D, Chlozolinate, mixts. with amides 84466-05-7D, Amidoflumet, mixts. with amides 85509-19-9D, Flusilazole, mixts. with amides 86479-06-3D, Hexaflumuron, mixts. with amides 86598-92-7D, Imibenconazole, mixts. with amides 86811-58-7D, Fluazuron, mixts. with amides 87130-20-9D, Diethofencarb, mixts. with amides 88283-41-4D, Pyrifenox, mixts. with amides 88671-89-0D,



Myclobutanil, mixts. with amides 89269-64-7D, Ferimzone, mixts. with amides 89784-60-1D, Pyraclofos, mixts. with amides 94361-06-5D, Cyproconazole, mixts. with amides 95465-99-9D, Cadusafos, mixts. with amides 95737-68-1D, Pyriproxyfen, mixts. with amides 96182-53-5D, Tebupirimfos, mixts. with amides 96489-71-3D, Pyridaben, mixts. with amides 98886-44-3D, Fosthiazate, mixts. with amides 101007-06-1D, Acrinathrin, mixts. with amides 101463-69-8D, Flufenoxuron, mixts. with amides 101903-30-4D, Pefurazoate, mixts. with amides 103055-07-8D, Lufenuron, mixts. with amides 104030-54-8D, Carpropamid, mixts. with amides 105024-66-6D, Silafluofen, mixts. with amides 105779-78-0D, Pyrimidifen, mixts. with amides 106917-52-6D, Flusulfamide, mixts. with amides 107534-96-3D, Tebuconazole, mixts. with amides 108173-90-6D, Guazatine, mixts. with amides 110235-47-7D, Mepanipyrim, mixts. with amides 110488-70-5D, Dimethomorph, mixts. with amides 111872-58-3D, Halfenprox, mixts. with amides 111988-49-9D, Thiacloprid, mixts. with amides 112143-82-5D, Triazamate, mixts. with amides 112226-61-6D, Halofenozide, mixts. with amides 112281-77-3D, Tetraconazole, mixts. with amides 112410-23-8D, Tebufenozide, mixts. with amides 113036-88-7D, Flucycloxuron, mixts. with amides 114369-43-6D, Fenbuconazole, mixts. with amides 115852-48-7D, Fenoxanil, mixts. with amides 116255-48-2D, Bromuconazole, mixts. with amides 116714-46-6D, Novaluron, mixts. with amides 117428-22-5D, Picoxystrobin, mixts. with amides 118134-30-8D, Spiroxamine, mixts. with amides 119168-77-3D, Tebufenpyrad, mixts. with amides 119446-68-3D, Difenconazole, mixts. with amides 120068-37-3D, Fipronil, mixts. with amides 120116-88-3D, Cyazofamid, mixts. with amides 120928-09-8D, Fenazaquin, mixts. with amides 121451-02-3D, Noviflumuron, mixts. with amides 121552-61-2D, Cyprodinil, mixts. with amides 122431-24-7D, Flupyrzofos, mixts. with amides 122453-73-0D, Chlorfenapyr, mixts. with amides 123312-89-0D, Pymetrozine, mixts. with amides 123572-88-3D, Furametpyr, mixts. with amides 124495-18-7D, Quinoxifen, mixts. with amides 125116-23-6D, Metconazole, mixts. with amides 125225-28-7D, Ipconazole, mixts. with amides 126069-54-3D, Phosphocarb, mixts. with amides 126833-17-8D, Fenhexamid, mixts. with amides 129558-76-5D, Tolfenpyrad, mixts. with amides 130000-40-7D, Thifluzamide, mixts. with amides 130339-07-0D, Diflumetorim, mixts. with amides 131341-86-1D, Fludioxonil, mixts. with amides 131807-57-3D, Famoxadone, mixts. with amides 131860-33-8D, Azoxystrobin, mixts. with amides 131983-72-7D, Triticonazole, mixts. with amides 133408-50-1D, Metominostrobin, mixts. with amides 133855-98-8D, Epoxiconazole, mixts. with amides 134074-64-9D, Oxpoconazole, mixts. with amides 134098-61-6D, Fenpyroximate, mixts. with amides 135158-54-2D, Acibenzolar-S-methyl, mixts. with amides 135410-20-7D, Acetamiprid, mixts. with amides 136426-54-5D, Fluquinconazole, mixts. with amides 138261-41-3D, Imidacloprid, mixts. with amides 139920-32-4D, Diclocymet, mixts. with amides 139968-49-3D, Metaflumizone, mixts. with amides 140923-17-7D, Iprovalicarb, mixts. with amides 141517-21-7D, Trifloxystrobin, mixts. with amides 143390-89-0D, Kresoxim-methyl, mixts. with amides 143807-66-3D, Chromafenozide, mixts. with amides 148477-71-8D, Spirodiclofen, mixts. with amides 149508-90-7D, Simeconazole, mixts. with amides 149877-41-8D, Bifenazate, mixts. with amides 149961-52-4D, Dimoxystrobin, mixts. with amides 150824-47-8D, Nitenpyram, mixts. with amides 153233-91-1D, Etoxazole, mixts. with amides 153719-23-4D, Thiamethoxam, mixts. with amides 154025-04-4D, Flumetover, mixts. with amides 155569-91-8D, Emamectin benzoate, mixts. with amides 156052-68-5D, Zoxamide, mixts. with amides 158062-67-0D, Flonicamid, mixts. with amides 160791-64-0D, Flubrocycuthrin, mixts. with amides 161050-58-4D, Methoxyfenozide, mixts. with amides 161326-34-7D, Fenamidone, mixts. with amides 162320-67-4D, Flufenzine, mixts. with amides 162650-77-3D, Ethaboxam, mixts. with amides

165252-70-0D, Dinotefuran, mixts. with amides 168316-95-8D, Spinosad, mixts. with amides 169202-06-6D, mixts. with amides 170015-32-4D, Flufenenerim, mixts. with amides 173584-44-6D, Indoxacarb, mixts. with amides 174212-12-5D, Oxpoconazole fumarate, mixts. with amides 175013-18-0D, Pyraclostrobin, mixts. with amides 175217-20-6D, Silthiofam, mixts. with amides 177406-68-7D, Benthiavalicarb-isopropyl, mixts. with amides 178928-70-6D, Prothioconazole, mixts. with amides 179101-81-6D, Pyridalyl, mixts. with amides 180409-60-3D, Cyflufenamid, mixts. with amides 181587-01-9D, Ethiprole, mixts. with amides 183675-82-3D, Penthiopyrad, mixts. with amides 188425-85-6D, Boscalid, mixts. with amides 189278-12-4D, Proquinazid, mixts. with amides 201593-84-2D, Bistrifluron, mixts. with amides 209861-58-5D, Acetoprole, mixts. with amides 210880-92-5D, Clothianidin, mixts. with amides 211867-47-9D, Flumorph, mixts. with amides 220899-03-6D, Metrafenone, mixts. with amides 223419-20-3D, Profluthrin, mixts. with amides 223580-51-6D, Tiadinil, mixts. with amides 229977-93-9D, Fluacrypyrim, mixts. with amides 239110-15-7D, Picobenzamid, mixts. with amides 240494-70-6D, Metofluthrin, mixts. with amides 248593-16-0D, Orysastrobins, mixts. with amides 271241-14-6D, Dimefluthrin, mixts. with amides 272451-65-7D, Flubendiamide, mixts. with amides 283594-90-1D, Spiromesifen, mixts. with amides 337458-27-2D, mixts. with amides 361377-29-9D, Fluoxastrobins, mixts. with amides 374726-62-2D, Mandipropamid, mixts. with amides 863549-51-3D, Lepimectin, mixts. with amides 1033616-11-3D, derivs., mixts. with amides

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(as pest control compns.)

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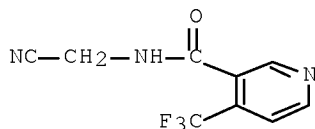
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(pest control composition)

IT 158062-67-0D, Flonicamid, mixts. with amides

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(as pest control compns.)

RN 158062-67-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



IT 1033612-49-5 1033612-57-5 1033612-65-5

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1033613-04-5 1033613-12-5 1033613-32-9

1033613-43-2 1033613-99-8 1033614-03-7

1033614-10-6 1033614-20-8 1033614-37-7

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(pest control composition)

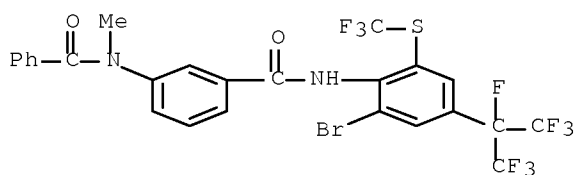
RN 1033612-49-5 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with N-[3-[[[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)thio]phenyl]amino]carbonyl]phenyl]-N-methylbenzamide (CA INDEX NAME)

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CRN 917513-22-5

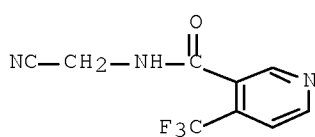
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CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



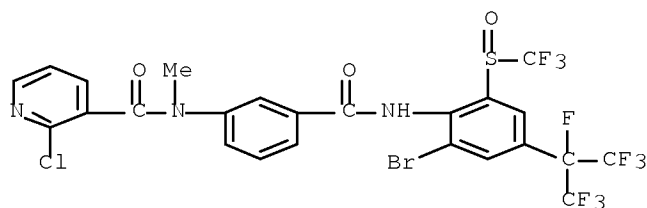
RN 1033612-57-5 HCAPLUS

CN 3-Pyridinecarboxamide, N-[3-[[[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)sulfinyl]phenyl]amino]carbonyl]phenyl]-2-chloro-N-methyl-, mixt. with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (CA INDEX NAME)

CM 1

CRN 917513-40-7

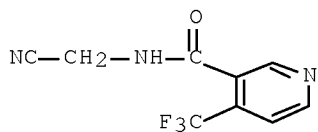
CMF C24 H13 Br Cl F10 N3 O3 S



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



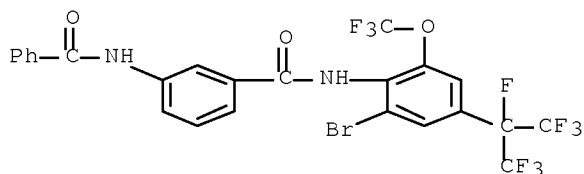
RN 1033612-65-5 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
3-(benzoylamino)-N-[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethoxy)phenyl]benzamide (CA INDEX NAME)

CM 1

CRN 917512-86-8

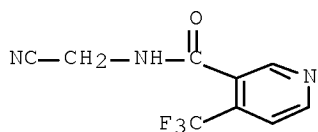
CMF C24 H13 Br F10 N2 O3



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



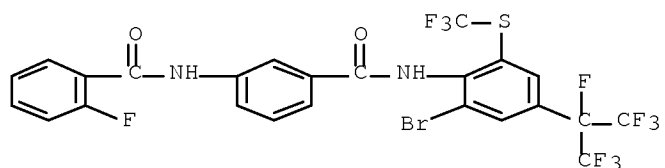
RN 1033612-73-5 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
N-[3-[[[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)thio]phenyl]amino]carbonyl]phenyl]-2-fluorobenzamide (CA INDEX NAME)

CM 1

CRN 917512-43-7

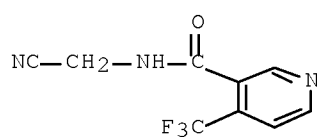
CMF C24 H12 Br F11 N2 O2 S



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



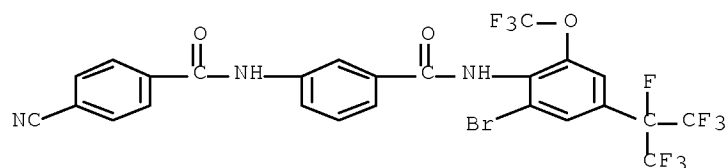
RN 1033612-87-1 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
N-[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(  
(trifluoromethoxy)phenyl]-3-[(4-cyanobenzoyl)amino]benzamide (CA INDEX  
NAME)

CM 1

CRN 917512-89-1

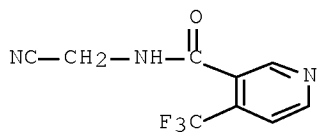
CMF C25 H12 Br F10 N3 O3



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



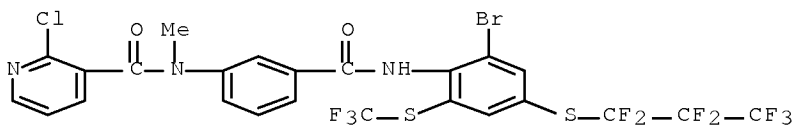
RN 1033612-94-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-[3-[[[2-bromo-4-[(1,1,2,2,3,3,3-heptafluoropropyl)thio]-6-[(trifluoromethyl)thio]phenyl]amino]carbonyl]phenyl]-2-chloro-N-methyl-, mixt. with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (CA INDEX NAME)

CM 1

CRN 1033612-88-2

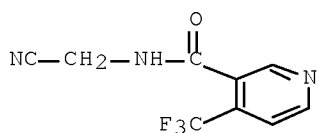
CMF C24 H13 Br Cl F10 N3 O2 S2



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



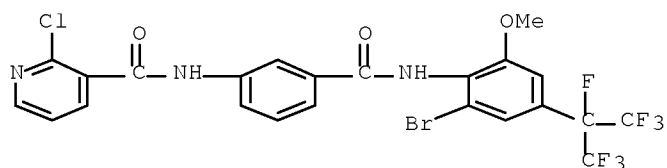
RN 1033613-04-5 HCAPLUS

CN 3-Pyridinecarboxamide, N-[3-[[[2-bromo-6-methoxy-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]amino]carbonyl]phenyl]-2-chloro-, mixt. with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (CA INDEX NAME)

CM 1

CRN 917513-00-9

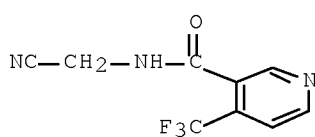
CMF C23 H14 Br Cl F7 N3 O3



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



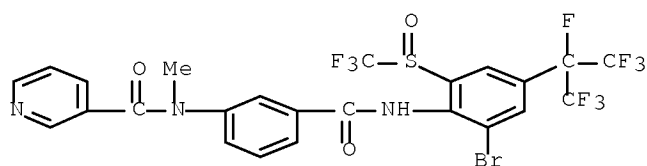
RN 1033613-12-5 HCAPLUS

CN 3-Pyridinecarboxamide, N-[3-[[[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)sulfinyl]phenyl]amino]carbonyl]phenyl]-N-methyl-, mixt. with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (CA INDEX NAME)

CM 1

CRN 917513-41-8

CMF C24 H14 Br F10 N3 O3 S

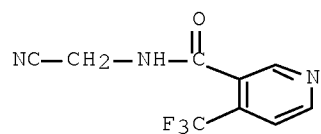


CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O





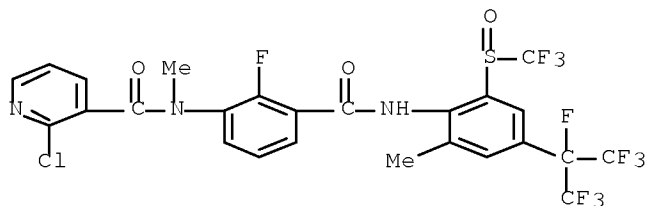
RN 1033613-32-9 HCAPLUS

CN 3-Pyridinecarboxamide, 2-chloro-N-[2-fluoro-3-[[[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)sulfinyl]phenyl]amino]carbonyl]phenyl]-N-methyl-, mixt. with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (CA INDEX NAME)

CM 1

CRN 1033613-22-7

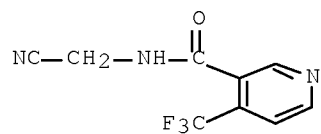
CMF C25 H15 Cl F11 N3 O3 S



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



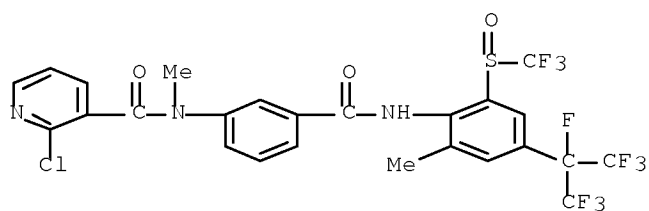
RN 1033613-43-2 HCAPLUS

CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 1033613-33-0

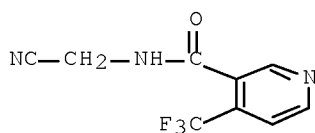
CMF C25 H16 Cl F10 N3 O3 S



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



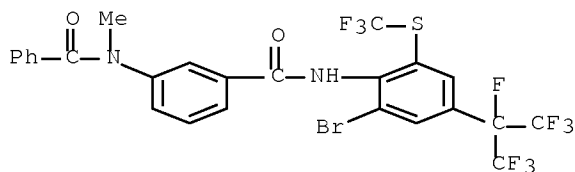
RN 1033613-99-8 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[3-[[[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)thio]phenyl]amino]carbonyl]phenyl]-N-methylbenzamide (CA INDEX NAME)

CM 1

CRN 917513-22-5

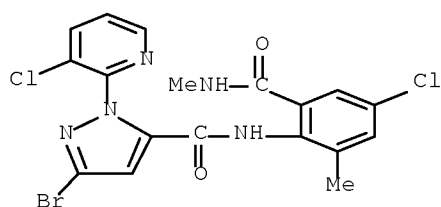
CMF C25 H15 Br F10 N2 O2 S



CM 2

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2



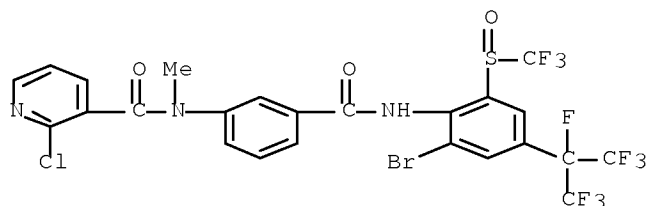
RN 1033614-03-7 HCAPLUS

CN 3-Pyridinecarboxamide, N-[3-[[[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)sulfinyl]phenyl]amino]carbonyl]phenyl]-2-chloro-N-methyl-, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (CA INDEX NAME)

CM 1

CRN 917513-40-7

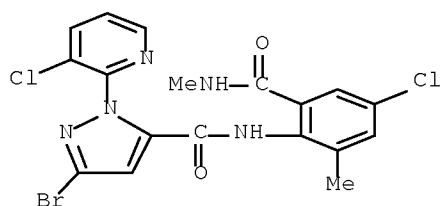
CMF C24 H13 Br Cl F10 N3 O3 S



CM 2

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2



RN 1033614-10-6 HCAPLUS

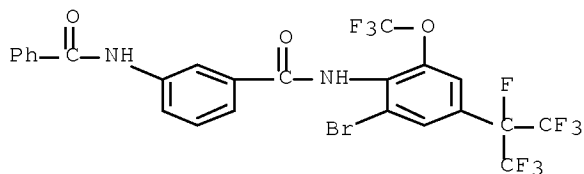
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 3-(benzoylamino)-N-[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethoxy)phenyl]benzamide (CA INDEX

NAME)

CM 1

CRN 917512-86-8

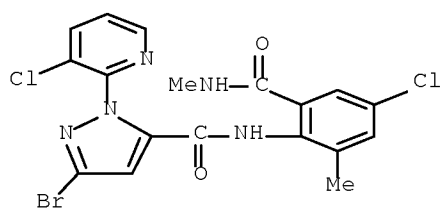
CMF C24 H13 Br F10 N2 O3



CM 2

CRN 500008-45-7

CMF C18 H14 Br Cl12 N5 O2



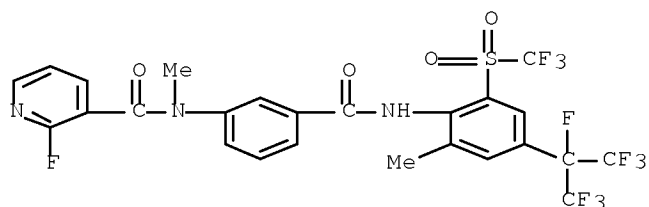
RN 1033614-20-8 HCAPLUS

CN 3-Pyridinecarboxamide, 2-fluoro-N-methyl-N-[3-[[[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)sulfonyl]phenyl]amino]carbonyl]phenyl]-, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (CA INDEX NAME)

CM 1

CRN 1033614-12-8

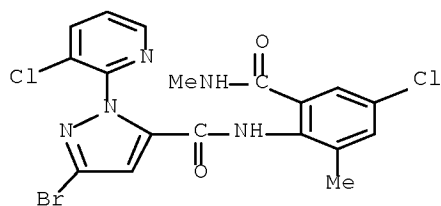
CMF C25 H16 F11 N3 O4 S



CM 2

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2



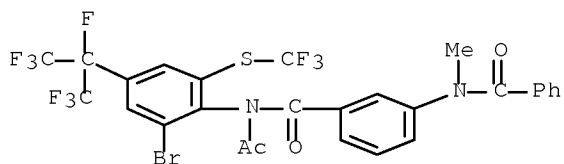
RN 1033614-37-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-acetyl-3-(benzoylmethylamino)-N-[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)thio]phenyl]benzamide (CA INDEX NAME)

CM 1

CRN 1033614-23-1

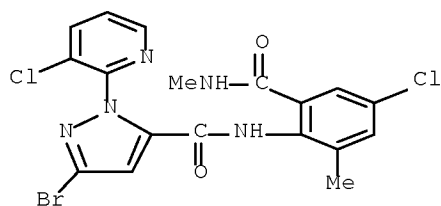
CMF C27 H17 Br F10 N2 O3 S



CM 2

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

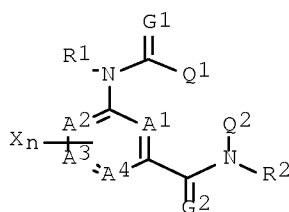
L30 ANSWER 9 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:770370 HCAPLUS Full-text  
 DOCUMENT NUMBER: 149:97667  
 TITLE: Pesticide compositions containing amides  
 INVENTOR(S): Nomura, Michikazu; Tomura, Naofumi; Kawahara, Atsuko;  
 Daido, Hidenori  
 PATENT ASSIGNEE(S): Mitsui Chemicals, Inc., Japan  
 SOURCE: PCT Int. Appl., 304pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008075454	A1	20080626	WO 2007-JP1355	20071205
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

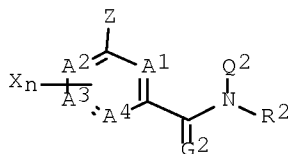
PRIORITY APPLN. INFO.: JP 2006-340921 A 20061219

OTHER SOURCE(S): MARPAT 149:97667

GI



I



II

AB Disclosed are pest control compns. containing  $\geq 1$  compound represented by the general formula I or the general formula II and  $\geq 1$  known insecticide, acaricide or fungicide as active ingredients. In the formulas I and II, A1-A4 = C, N, oxidized N; R1, R2 independently = H, C1-4 alkyl, C1-4 alkylcarbonyl; G1, G2 = O, S; X = H, halo, CF3; Q1, Q2 = (un)substituted Ph, etc.; n = 0-4 integer; Z = N(R1)SO2Q1 or N(R1)Q1. Thus, I (Q1 = 2-fluorophenyl, A1-A4 = CH, R1 = H, R2 = Me Q2 = 2,6-dibromo-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl) +

acephate at 100 + 250 ppm gave 100% control of green peach aphid (*Myzus persicae*).

CC 5-4 (Agrochemical Bioregulators)

Section cross-reference(s): 25

IT Acaricides

Insecticides

(pest control compns. containing amides and)

IT 74115-24-5D, Clofentezine, mixts. with amides 74738-17-3D, Fenpiclonil, mixts. with amides 74937-48-7D, mixts. with amides 76280-91-6D, Tecloftalam, mixts. with amides 76674-21-0D, Flutriafol, mixts. with amides 76703-62-3D, Gamma-cyhalothrin, mixts. with amides 77732-09-3D, Oxadixyl, mixts. with amides 78587-05-0D, Hexythiazox, mixts. with amides 79538-32-2D, Tefluthrin, mixts. with amides 79622-59-6D, Fluazinam, mixts. with amides 79983-71-4D, Hexaconazole, mixts. with amides 80060-09-9D, Diafenthiuron, mixts. with amides 80844-07-1D, Ethofenprox, mixts. with amides 81412-43-3D, Tridemorph, mixts. with amides 82560-54-1D, Benfuracarb, mixts. with amides 82657-04-3D, Bifenthrin, mixts. with amides 83121-18-0D, Teflubenzuron, mixts. with amides 83130-01-2D, Alanycarb, mixts. with amides 83657-24-3D, Diniconazole, mixts. with amides 84332-86-5D, Chlozolate, mixts. with amides 84466-05-7D, Amidoflumet, mixts. with amides 85509-19-9D, Flusilazole, mixts. with amides 86479-06-3D, Hexaflumuron, mixts. with amides 86598-92-7D, Imibenconazole, mixts. with amides 86811-58-7D, Fluazuron, mixts. with amides 87130-20-9D, Diethofencarb, mixts. with amides 88283-41-4D, Pyrifenox, mixts. with amides 88671-89-0D, Myclobutanil, mixts. with amides 89269-64-7D, Ferimzone, mixts. with amides 89784-60-1D, Pyraclofos, mixts. with amides 94361-06-5D, Cyproconazole, mixts. with amides 95465-99-9D, Cadusafos, mixts. with amides 95737-68-1D, Pyriproxyfen, mixts. with amides 96182-53-5D, Tebupirimfos, mixts. with amides 96489-71-3D, Pyridaben, mixts. with amides 98886-44-3D, Fosthiazate, mixts. with amides 101007-06-1D, Acrinathrin, mixts. with amides 101463-69-8D, Flufenoxuron, mixts. with amides 101903-30-4D, Pefurazoate, mixts. with amides 103055-07-8D, Lufenuron, mixts. with amides 104030-54-8D, Carpropamid, mixts. with amides 105024-66-6D, Silafluofen, mixts. with amides 105779-78-0D, Pyrimidifen, mixts. with amides 106917-52-6D, Flusulfamide, mixts. with amides 107534-96-3D, Tebuconazole, mixts. with amides 108173-90-6D, Guazatine, mixts. with amides 110235-47-7D, Mepanipyrim, mixts. with amides 110488-70-5D, Dimethomorph, mixts. with amides 111872-58-3D, Halfenprox, mixts. with amides 111988-49-9D, Thiacloprid, mixts. with amides 112143-82-5D, Triazamate, mixts. with amides 112226-61-6D, Halofenozide, mixts. with amides 112281-77-3D, Tetraconazole, mixts. with amides 112410-23-8D, Tebufenozide, mixts. with amides 113036-88-7D, Flucycloxuron, mixts. with amides 114369-43-6D, Fenbuconazole, mixts. with amides 115852-48-7D, Fenoxanil, mixts. with amides 116255-48-2D, Bromuconazole, mixts. with amides 116714-46-6D, Novaluron, mixts. with amides 117428-22-5D, Picoxystrobin, mixts. with amides 118134-30-8D, Spiroxamine, mixts. with amides 119168-77-3D, Tebufenpyrad, mixts. with amides 119446-68-3D, Difenconazole, mixts. with amides 120068-37-3D, Fipronil, mixts. with amides 120116-88-3D, Cyazofamid, mixts. with amides 120928-09-8D, Fenazaquin, mixts. with amides 121451-02-3D, Noviflumuron, mixts. with amides 121552-61-2D, Cyprodinil, mixts. with amides 122431-24-7D, Flupyrazofos, mixts. with amides 122453-73-0D, Chlorfenapyr, mixts. with amides 123312-89-0D, Pymetrozine, mixts. with amides 123572-88-3D, Furametpyr, mixts. with amides 124495-18-7D, Quinoxifen, mixts. with amides 125116-23-6D, Metconazole, mixts. with amides 125225-28-7D, Ipconazole, mixts. with amides 126069-54-3D, Phosphocarb, mixts. with amides 126833-17-8D, Fenhexamid, mixts. with amides 129558-76-5D, Tolfenpyrad, mixts. with amides 130000-40-7D, Thifluzamide, mixts. with amides 130339-07-0D,

Diflumetorim, mixts. with amides 131341-86-1D, Fludioxonil, mixts. with amides 131807-57-3D, Famoxadone, mixts. with amides 131860-33-8D, Azoxystrobin, mixts. with amides 131983-72-7D, Triticonazole, mixts. with amides 133408-50-1D, Metominostrobin, mixts. with amides 133855-98-8D, Epoxiconazole, mixts. with amides 134074-64-9D, Oxpoconazole, mixts. with amides 134098-61-6D, Fenpyroximate, mixts. with amides 135158-54-2D, Acibenzolar-S-methyl, mixts. with amides 135410-20-7D, Acetamiprid, mixts. with amides 136426-54-5D, Fluquinconazole, mixts. with amides 138261-41-3D, Imidacloprid, mixts. with amides 139920-32-4D, Diclocymet, mixts. with amides 139968-49-3D, Metaflumizone, mixts. with amides 140923-17-7D, Iprovalicarb, mixts. with amides 141517-21-7D, Trifloxystrobin, mixts. with amides 143390-89-0D, Kresoxim-methyl, mixts. with amides 143807-66-3D, Chromafenozide, mixts. with amides 148477-71-8D, Spirodiclofen, mixts. with amides 149508-90-7D, Simeconazole, mixts. with amides 149877-41-8D, Bifenazate, mixts. with amides 149961-52-4D, Dimoxystrobin, mixts. with amides 150824-47-8D, Nitenpyram, mixts. with amides 153233-91-1D, Etoxazole, mixts. with amides 153719-23-4D, Thiamethoxam, mixts. with amides 154025-04-4D, Flumetover, mixts. with amides 155569-91-8D, Emamectin benzoate, mixts. with amides 156052-68-5D, Zoxamide, mixts. with amides ~~158062-67-0D~~, Flonicamid, mixts. with amides 160791-64-0D, Flubrocyclothrinate, mixts. with amides 161050-58-4D, Methoxyfenozide, mixts. with amides 161326-34-7D, Fenamidone, mixts. with amides 162320-67-4D, Flufenazine, mixts. with amides 162650-77-3D, Ethaboxam, mixts. with amides 165252-70-0D, Dinotefuran, mixts. with amides 168316-95-8D, Spinosad, mixts. with amides 169202-06-6D, mixts. with amides 170015-32-4D, Flufenimer, mixts. with amides 173584-44-6D, Indoxacarb, mixts. with amides 174212-12-5D, Oxpoconazole fumarate, mixts. with amides 175013-18-0D, Pyraclostrobin, mixts. with amides 175217-20-6D, Silthiofam, mixts. with amides 177406-68-7D, Benthiavalicarb-isopropyl, mixts. with amides 178928-70-6D, Prothioconazole, mixts. with amides 179101-81-6D, Pyridalyl, mixts. with amides 180409-60-3D, Cyflufenamid, mixts. with amides 181587-01-9D, Ethiprole, mixts. with amides 183675-82-3D, Penthiopyrad, mixts. with amides 188425-85-6D, Boscalid, mixts. with amides 189278-12-4D, Proquinazid, mixts. with amides 201593-84-2D, Bistrifluron, mixts. with amides 209861-58-5D, Acetoprole, mixts. with amides 210880-92-5D, Clothianidin, mixts. with amides 211867-47-9D, Flumorph, mixts. with amides 220899-03-6D, Metrafenone, mixts. with amides 223419-20-3D, Profluthrin, mixts. with amides 223580-51-6D, Tiadinil, mixts. with amides 229977-93-9D, Fluacrypyrim, mixts. with amides 239110-15-7D, Picobenzamid, mixts. with amides 240494-70-6D, Metofluthrin, mixts. with amides 248593-16-0D, Orysastrobin, mixts. with amides 271241-14-6D, Dimefluthrin, mixts. with amides 272451-65-7D, Flubendiamide, mixts. with amides 283594-90-1D, Spiromesifen, mixts. with amides 337458-27-2D, mixts. with amides 361377-29-9D, Fluoxastrobin, mixts. with amides 374726-62-2D, Mandipropamid, mixts. with amides 863549-51-3D, Lepimectin, mixts. with amides 1033616-11-3D, derivs., mixts. with amides

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(as pest control compns.)

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	1033847-65-2	<del>1033847-67-4</del>	1033847-68-5	1033847-69-6
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September 11, 2008

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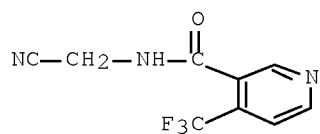
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(pest control composition)

IT ~~158062-67-0D~~, Flonicamid, mixts. with amides

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(as pest control compns.)

RN 158062-67-0 HCAPLUS

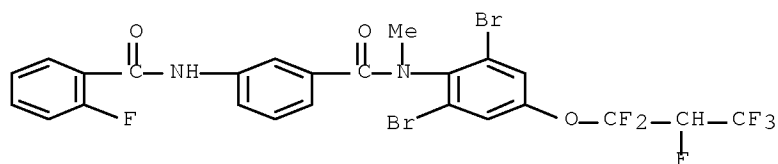
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



IT 1033847-52-7 1033847-59-4 1033847-67-4  
 1033847-75-4 1033847-83-4 1033848-02-0  
 1033848-36-0 1033848-43-9 1033848-49-5  
 1033848-58-6 1033848-68-8 1033848-77-9  
 1033848-87-1 1033848-96-2  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (pest control composition)  
 RN 1033847-52-7 HCAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

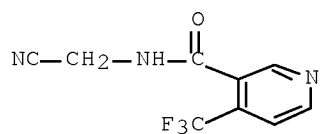
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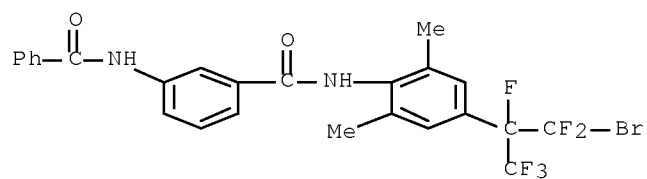
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RN 1033847-59-4 HCAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

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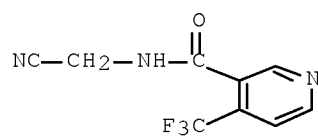
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CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



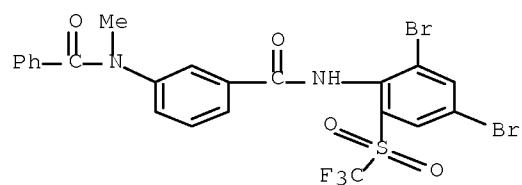
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CN INDEX NAME NOT YET ASSIGNED

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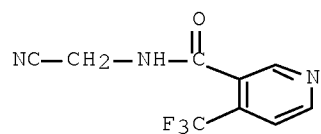
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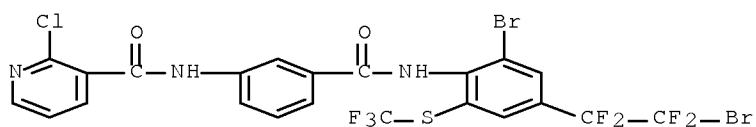
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RN 1033847-75-4 HCAPLUS  
CN INDEX NAME NOT YET ASSIGNED

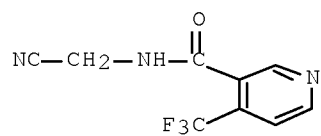
CM 1

CRN 1033623-35-6  
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CM 2

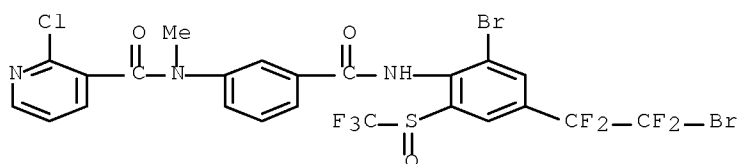
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CMF C9 H6 F3 N3 O



RN 1033847-83-4 HCAPLUS  
CN INDEX NAME NOT YET ASSIGNED

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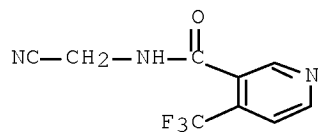
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CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



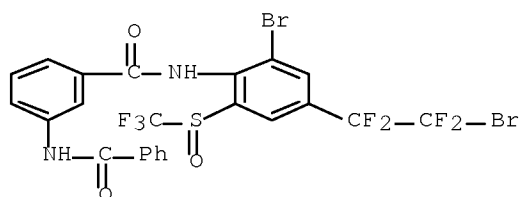
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CN INDEX NAME NOT YET ASSIGNED

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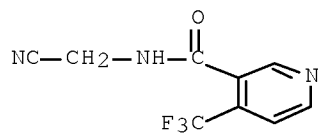
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CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



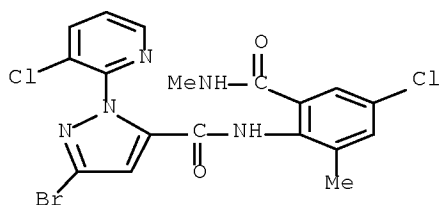
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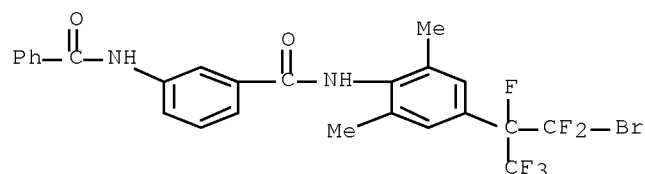
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CMF C18 H14 Br C12 N5 O2

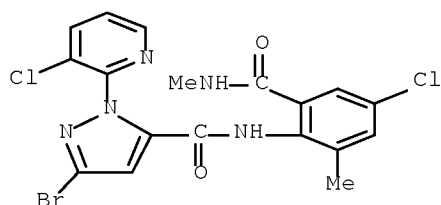


CRN 917920-14-0  
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CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2



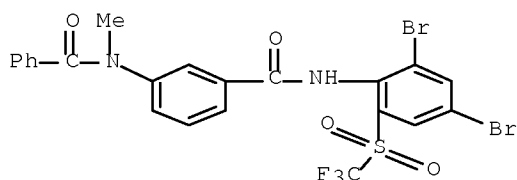
RN 1033848-49-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[3-[[[2,4-dibromo-6-[(trifluoromethyl)sulfonyl]phenyl]amino]carbonyl]phenyl]-N-methylbenzamide (CA INDEX NAME)

CM 1

CRN 1033847-30-1

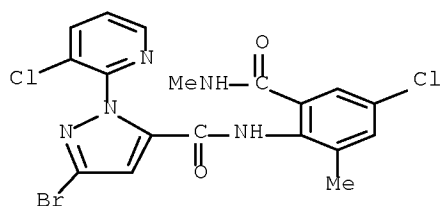
CMF C22 H15 Br2 F3 N2 O4 S



CM 2

CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2



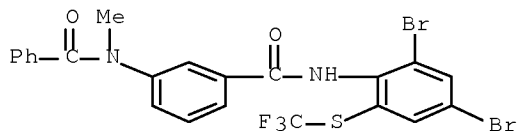
RN 1033848-58-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[3-[[[2,4-dibromo-6-[(trifluoromethyl)thio]phenyl]amino]carbonyl]phenyl]-N-methylbenzamide (CA INDEX NAME)

CM 1

CRN 917920-05-9

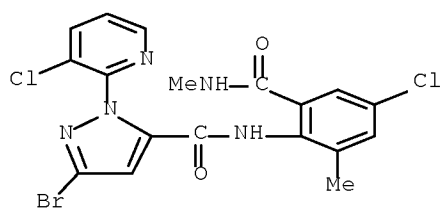
CMF C22 H15 Br2 F3 N2 O2 S



CM 2

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2



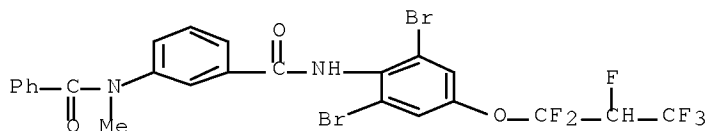
RN 1033848-68-8 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[3-[[[2,6-dibromo-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]amino]carbonyl]phenyl]-N-methylbenzamide (CA INDEX NAME)

CM 1

CRN 1033623-40-3

CMF C24 H16 Br2 F6 N2 O3

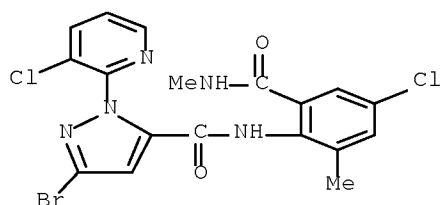


CM 2

CRN 500008-45-7



CMF C18 H14 Br C12 N5 O2



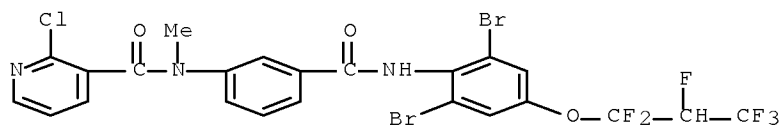
RN 1033848-77-9 HCAPLUS

CN 3-Pyridinecarboxamide, 2-chloro-N-[3-[[[2,6-dibromo-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]amino]carbonyl]phenyl]-N-methyl-, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (CA INDEX NAME)

CM 1

CRN 1033623-32-3

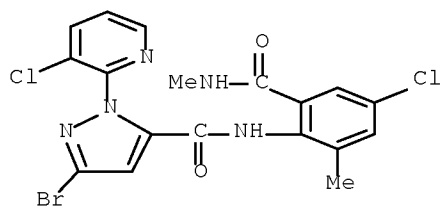
CMF C23 H14 Br2 Cl F6 N3 O3



CM 2

CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2

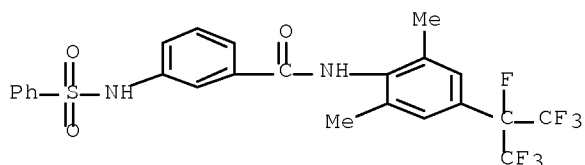


RN 1033848-87-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[2,6-dimethyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-3-[(phenylsulfonyl)amino]benzamide (CA INDEX NAME)

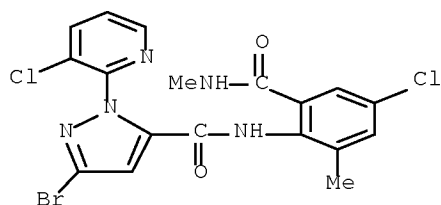
CM 1

CRN 917923-49-0  
 CMF C24 H19 F7 N2 O3 S



CM 2

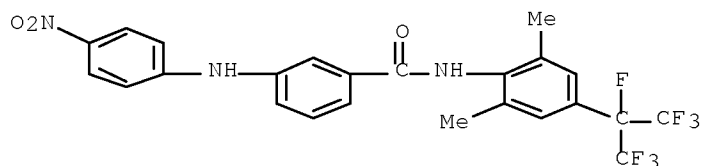
CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



RN 1033848-96-2 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[2,6-dimethyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-3-[(4-nitrophenyl)amino]benzamide (CA INDEX NAME)

CM 1

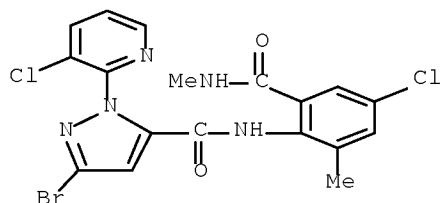
CRN 917923-71-8  
 CMF C24 H18 F7 N3 O3



CM 2

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 10 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:735755 HCAPLUS Full-text

DOCUMENT NUMBER: 149:47043

TITLE: Synergistic insecticidal compositions comprising an anthranilamide derivative

INVENTOR(S): Koyanagi, Toru; Morita, Masayuki; Yoneda, Tetsuo; Ueda, Tsuyoshi; Kiriyaama, Kazuhisa; Hamamoto, Taku

PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan

SOURCE: PCT Int. Appl., 82pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

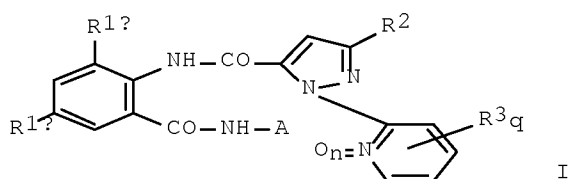
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008072783	A1	20080619	WO 2007-JP74372	20071212
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: JP 2006-336585 A 20061214  
JP 2007-105029 A 20070412

OTHER SOURCE(S): MARPAT 149:47043

GI



AB Synergistic insecticidal and ectoparasitocidal compns. contain a anthranilamide derivs. I [R1a, R1b = halo; R2, R3 = halo, alkyl, haloalkyl, alkoxy, haloalkoxy or cyano; A = alkyl substituted by Y; Y = (un)substituted C3-4 cycloalkyl; n = 0 or 1; q = 0, 1-4] and another pesticide.

CC 5-4 (Agrochemical Bioregulators)

IT Insecticides

(compns. comprising anthranilamide derivative)

IT	1031756-99-6	1031757-01-3	1031757-03-5	1031757-05-7	
	1031757-07-9	1031757-10-4	1031757-14-8	1031757-17-1	1031757-19-3
	1031757-21-7	1031757-23-9	1031757-26-2	1031757-28-4	1031757-30-8
	1031757-32-0	1031757-34-2	1031757-36-4	1031757-38-6	1031757-41-1
	1031757-43-3	1031757-45-5	1031757-47-7	1031757-49-9	1031757-51-3
	1031757-54-6	1031757-56-8	1031757-58-0	1031757-60-4	1031757-62-6
	1031757-64-8	1031757-66-0	1031757-69-3	1031757-71-7	1031757-74-0
	1031757-76-2	1031757-78-4	1031757-80-8	1031757-82-0	1031757-84-2
	1031757-86-4	1031757-88-6	1031757-90-0	1031757-92-2	1031757-94-4

RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(synergistic insecticidal compn)

IT	112410-23-8D, Tebufenozide, mixts. with anthranilamide derivs.
	112839-32-4D, Furconazole-cis, mixts. with anthranilamide derivs.
	114369-43-6D, Fenbuconazole, mixts. with anthranilamide derivs.
	115852-48-7D, Fenoxanil, mixts. with anthranilamide derivs.
	116255-48-2D, Bromuconazole, mixts. with anthranilamide derivs.
	116714-46-6D, Novaluron, mixts. with anthranilamide derivs.
	117428-22-5D, Picoxystrobin, mixts. with anthranilamide derivs.
	118134-30-8D, Spiroxamine, mixts. with anthranilamide derivs.
	119168-77-3D, Tebufenpyrad, mixts. with anthranilamide derivs.
	119446-68-3D, Difenconazole, mixts. with anthranilamide derivs.
	119544-94-4D, Protrifenbute, mixts. with anthranilamide derivs.
	119791-41-2D, Emamectin, mixts. with anthranilamide derivs.
	120068-37-3D, Fipronil, mixts. with anthranilamide derivs. 120116-88-3D, Cyazofamid, mixts. with anthranilamide derivs. 120928-09-8D, Fenazaquin, mixts. with anthranilamide derivs. 121451-02-3D, Noviflumuron, mixts. with anthranilamide derivs. 121552-61-2D, Cyprodinil, mixts. with anthranilamide derivs. 122453-73-0D, Chlorfenapyr, mixts. with anthranilamide derivs. 123312-89-0D, Pymetrozine, mixts. with anthranilamide derivs. 124495-18-7D, Quinoxifen, mixts. with anthranilamide derivs. 125116-23-6D, Metconazole, mixts. with anthranilamide derivs. 125225-28-7D, Ipconazole, mixts. with anthranilamide derivs. 126069-54-3D, Phosphocarb, mixts. with anthranilamide derivs. 126833-17-8D, Fenhexamid, mixts. with anthranilamide derivs. 129558-76-5D, Tolfenpyrad, mixts. with anthranilamide derivs. 130000-40-7D, Thifluzamide, mixts. with anthranilamide derivs. 131341-86-1D, Fludioxonil, mixts. with anthranilamide derivs. 131807-57-3D, Famoxadone, mixts. with anthranilamide derivs. 131860-33-8D, Azoxystrobin, mixts. with anthranilamide derivs. 133855-98-8D, Epoxiconazole, mixts. with anthranilamide derivs.

anthranilamide derivs. 134098-61-6D, Fenpyroximate, mixts. with  
 anthranilamide derivs. 135410-20-7D, Acetamiprid, mixts. with  
 anthranilamide derivs. 136426-54-5D, Fluquinconazole, mixts. with  
 anthranilamide derivs. 138261-41-3D, Imidacloprid, mixts. with  
 anthranilamide derivs. 139920-32-4D, Diclocymet, mixts. with  
 anthranilamide derivs. 139968-49-3D, Metaflumizone, mixts. with  
 anthranilamide derivs. 140163-89-9D, Imicyafos, mixts. with  
 anthranilamide derivs. 140923-17-7D, Iprovalicarb, mixts. with  
 anthranilamide derivs. 141517-21-7D, Trifloxystrobin, mixts. with  
 anthranilamide derivs. 143390-89-0D, Kresoximmethyl, mixts. with  
 anthranilamide derivs. 143807-66-3D, Chromafenozide, mixts. with  
 anthranilamide derivs. 148477-71-8D, Spirodiclofen, mixts. with  
 anthranilamide derivs. 149508-90-7D, Sipconazole, mixts. with  
 anthranilamide derivs. 149877-41-8D, Bifenazate, mixts. with  
 anthranilamide derivs. 149961-52-4D, Dimoxystrobin, mixts. with  
 anthranilamide derivs. 150824-47-8D, Nitenpyram, mixts. with  
 anthranilamide derivs. 153233-91-1D, Etoxazole, mixts. with  
 anthranilamide derivs. 153719-23-4D, Thiamethoxam, mixts. with  
 anthranilamide derivs. 155569-91-8D, Emamectin benzoate, mixts. with  
 anthranilamide derivs. 156052-68-5D, Zoxamide, mixts. with  
 anthranilamide derivs. 158062-67-0D, Flonicamid, mixts. with  
 anthranilamide derivs. 161050-58-4D, Methoxyfenozide, mixts. with  
 anthranilamide derivs. 161326-34-7D, Fenamidone, mixts. with  
 anthranilamide derivs. 162650-77-3D, Ethaboxam, mixts. with  
 anthranilamide derivs. 165252-70-0D, Dinotefuran, mixts. with  
 anthranilamide derivs. 168316-95-8D, Spinosad, mixts. with  
 anthranilamide derivs. 170015-32-4D, Flufenerim, mixts. with  
 anthranilamide derivs. 173584-44-6D, Indoxacarb, mixts. with  
 anthranilamide derivs. 174212-12-5D, Oxpoconazole fumarate, mixts. with  
 anthranilamide derivs. 175013-18-0D, Pyraclostrobin, mixts. with  
 anthranilamide derivs. 175217-20-6D, Silthiopham, mixts. with  
 anthranilamide derivs. 178928-70-6D, Prothioconazole, mixts. with  
 anthranilamide derivs. 179101-81-6D, Pyridalyl, mixts. with  
 anthranilamide derivs. 180409-60-3D, Cyflufenamid, mixts. with  
 anthranilamide derivs. 181587-01-9D, Ethiprole, mixts. with  
 anthranilamide derivs. 182916-02-5D, Metominofen, mixts. with  
 anthranilamide derivs. 183675-82-3D, MTF-753, mixts. with anthranilamide  
 derivs. 188425-85-6D, Boscalid, mixts. with anthranilamide derivs.  
 189278-12-4D, Proquinazid, mixts. with anthranilamide derivs.  
 203313-25-1D, Spirotetramat, mixts. with anthranilamide derivs.  
 210880-92-5D, Clothianidin, mixts. with anthranilamide derivs.  
 211867-47-9D, Flumorph, mixts. with anthranilamide derivs. 220899-03-6D,  
 Metrafenone, mixts. with anthranilamide derivs. 223419-20-3D,  
 Profluthrin, mixts. with anthranilamide derivs. 223580-51-6D, Tiadinil,  
 mixts. with anthranilamide derivs. 229977-93-9D, Fluacrypyrim, mixts.  
 with anthranilamide derivs. 240494-70-6D, ,Metofluthrin, mixts. with  
 anthranilamide derivs. 248593-16-0D, Orysastrobin, mixts. with  
 anthranilamide derivs. 272451-65-7D, Flubendiamide, mixts. with  
 anthranilamide derivs. 283594-90-1D, Spiromesifen, mixts. with  
 anthranilamide derivs. 315208-17-4D, Pyrafluprole, mixts. with  
 anthranilamide derivs. 337458-27-2D, Pyrifluquinazon, mixts. with  
 anthranilamide derivs. 348635-87-0D, Amisulbrom, mixts. with  
 anthranilamide derivs. 361377-29-9D, Fluoxastrobin, mixts. with  
 anthranilamide derivs. 394730-71-3D, Pyriprole, mixts. with  
 anthranilamide derivs. 400882-07-7D, Cyflumetofen, mixts. with  
 anthranilamide derivs. 413615-35-7D, Benthiavalicarb-, mixts. with  
 anthranilamide derivs. 500008-45-7D, Chlorantraniliprole, mixts.  
 with anthranilamide derivs. 560121-52-0D, Cyenopyrafen, mixts. with  
 anthranilamide derivs. 863549-51-3D, Lepimectin, mixts. with  
 anthranilamide derivs. 935545-74-7D, DE 175, mixts. with anthranilamide

derivs. 937279-54-4D, HGW 86, mixts. with anthranilamide derivs.  
 946494-18-4D, UBF 307, mixts. with anthranilamide derivs. 946494-19-5D,  
 KIF 7767, mixts. with anthranilamide derivs. 946494-20-8D, Syngenta  
 446510, mixts. with anthranilamide derivs. 1031756-98-5D, mixts. containing  
 1031757-98-8D, mixts. containing 1031758-00-5D, mixts. containing  
 1032110-39-6D, BCM 062, mixts. with anthranilamide derivs.  
 1032111-18-4D, BCM 061, mixts. with anthranilamide derivs.  
 1032111-42-4D, BCF 051, mixts. with anthranilamide derivs.  
 RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (synergistic insecticidal compns.)

IT 1031756-99-6  
 RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (synergistic insecticidal compn)

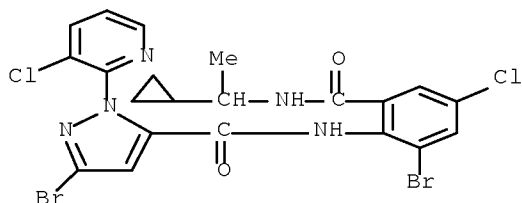
RN 1031756-99-6 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
 3-bromo-N-[2-bromo-4-chloro-6-[[[(1-cyclopropylethyl)amino]carbonyl]phenyl]-  
 1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (CA INDEX NAME)

CM 1

CRN 1031756-98-5

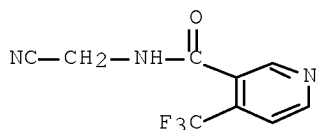
CMF C21 H17 Br2 Cl2 N5 O2



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O

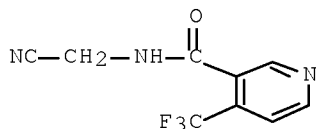


IT 158062-67-0D, Flonicamid, mixts. with anthranilamide derivs.  
 203313-25-1D, Spirotetramat, mixts. with anthranilamide derivs.  
 500008-45-7D, Chlorantraniliprole, mixts. with anthranilamide  
 derivs.  
 RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL  
 (Biological study); USES (Uses)

(synergistic insecticidal compns.)

RN 158062-67-0 HCAPLUS

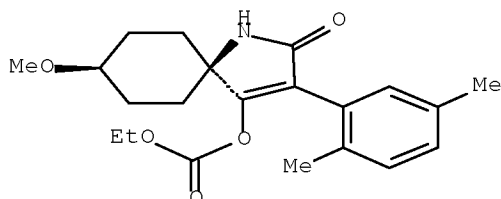
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 203313-25-1 HCAPLUS

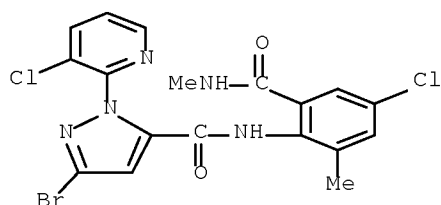
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 11 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:734097 HCAPLUS Full-text

DOCUMENT NUMBER: 149:47042

TITLE: Preparation of oligosaccharides for nodulation promoting and insecticidal compositions

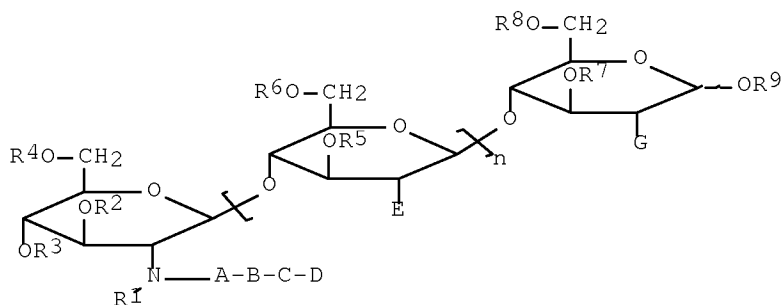
INVENTOR(S): Hungenberg, Heike; Thielert, Wolfgang; Vors, Jean-Pierre

PATENT ASSIGNEE(S): Bayer Cropscience SA, Fr.

SOURCE: PCT Int. Appl., 131pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008071674	A2	20080619	WO 2007-EP63639	20071211
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: EP 2006-356144 A 20061212  
 OTHER SOURCE(S): MARPAT 149:47042  
 GI



- AB Oligosaccharides I [A = CO, CS, CH<sub>2</sub>, etc.; B = (hetero)arylene, naphthylene, etc.; C = O, S, CH<sub>2</sub>, etc.; D = hydrocarbyl; E, G = H, OH, (un)substituted OH or NH<sub>2</sub>; R<sub>1</sub> = H, alkyl, etc.; R<sub>2</sub>, R<sub>3</sub>, R<sub>6</sub> = H, alkyl, C(O)NH<sub>2</sub>, C(NH)NH<sub>2</sub>, etc.; R<sub>4</sub> = H, alkyl, etc.; R<sub>5</sub> = H, alkyl, fucosyl, etc.; R<sub>7</sub> = H, alkyl, arabinosyl, etc.; R<sub>8</sub> = H, alkyl, fucosyl, methylfucosyl, sulfosucosyl, etc.; R<sub>9</sub> = H, alkyl, mannose, glycerol, etc.; n = 1, 2, or 3] are prepared I in combination with a known insecticide are nodulation agents of leguminous plants and an insecticide compns. A composition further comprises an addnl. fungicide.
- CC 5-4 (Agrochemical Bioregulators)  
 Section cross-reference(s): 19, 33
- IT Insecticides  
 (nodulation promoting and insecticidal compns.)
- IT 86811-58-7D, Fluazuron, mixts. with oligosaccharides 89583-90-4D,  
 ,Clothiazoben, mixts. with oligosaccharides 89784-60-1D, Pyraclofos,  
 mixts. with oligosaccharides 90338-20-8D, Butathiofos, mixts. with



oligosaccharides 95465-99-9D, Sebufos, mixts. with oligosaccharides  
 96182-53-5D, Tebupirimfos, mixts. with oligosaccharides 96489-71-3D,  
 Pyridaben, mixts. with oligosaccharides 98886-44-3D, Fosthiazate, mixts.  
 with oligosaccharides 101007-06-1D, Acrinathrin, mixts. with  
 oligosaccharides 101463-69-8D, Flufenoxuron, mixts. with  
 oligosaccharides 102851-06-9D, Taufluvalinate, mixts. with  
 oligosaccharides 103055-07-8D, Lufenuron, mixts. with oligosaccharides  
 103827-27-6D, Pirimiphos, mixts. with oligosaccharides 104030-54-8D,  
 Carpropamid, mixts. with oligosaccharides and insecticides 105024-66-6D,  
 Silafluofen, mixts. with oligosaccharides 105779-78-0D, Pyrimidifen,  
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 111988-49-9D, Thiachloprid, mixts. with oligosaccharides 112143-82-5D,  
 Triazamate, mixts. with oligosaccharides 112226-61-6D, Halofenozide,  
 mixts. with oligosaccharides 112410-23-8D, Tebufenozide, mixts. with  
 oligosaccharides 112636-83-6D, Dicyclanil, mixts. with oligosaccharides  
 113036-88-7D, Flucycloxuron, mixts. with oligosaccharides 116714-46-6D,  
 Novaluron, mixts. with oligosaccharides 118712-89-3D, Transfluthrin,  
 mixts. with oligosaccharides 119168-77-3D, Tebufenpyrad, mixts. with  
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 120068-37-3D, Fipronil, mixts. with oligosaccharides 120928-09-8D,  
 Fenazaquin, mixts. with oligosaccharides 121451-02-3D, Noviflumuron,  
 mixts. with oligosaccharides 122431-24-7D, Flupyrazofos, mixts. with  
 oligosaccharides 122453-73-0D, Chlorfenapyr, mixts. with  
 oligosaccharides 123312-89-0D, Pymetrozine, mixts. with oligosaccharides  
 125225-28-7D, Ipconazole, mixts. with oligosaccharides and insecticides  
 126069-54-3D, Phosphocarb, mixts. with oligosaccharides 129558-76-5D,  
 Tolfenpyrad, mixts. with oligosaccharides 131983-72-7D, Triticonazole,  
 mixts. with oligosaccharides and insecticides 134098-61-6D,  
 Fenpyroximate, mixts. with oligosaccharides 135410-20-7D, Acetamiprid,  
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 oligosaccharides and insecticides 138261-41-3D, Imidacloprid, mixts.  
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 178928-70-6D, Prothioconazole, mixts. with oligosaccharides and  
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 181587-01-9D, Ethiprole, mixts. with oligosaccharides 185982-80-3D,  
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 mixts. with oligosaccharides 223419-20-3D, Profluthrin, mixts. with  
 oligosaccharides 224049-04-1D, Isotianil, mixts. with oligosaccharides  
 and insecticides 229977-93-9D, Fluacrypyrim, mixts. with

oligosaccharides 237055-17-3D, Propamocarb fosetylate, mixts. with oligosaccharides and insecticides 239110-15-7D, Fluopicolide, mixts. with oligosaccharides and insecticides 240494-70-6D, Metofluthrin, mixts. with oligosaccharides 272451-65-7D, mixts. with oligosaccharides 283594-90-1D, Spiromesifen, mixts. with oligosaccharides 303021-82-1D, mixts. with oligosaccharides 315208-17-4D, Pyrafluprole, mixts. with oligosaccharides 361377-29-9D, Fluoxastrobin, mixts. with oligosaccharides and insecticides 382608-10-8D, mixts. with oligosaccharides 394730-71-3D, PYriprole, mixts. with oligosaccharides 400882-07-7D, Cyflumetofen, mixts. with oligosaccharides 494793-67-8D, mixts. with oligosaccharides and insecticides 500008-45-7D, Rynaxypyr, mixts. with oligosaccharides 548460-64-6D, 1R-Tetramethrin, mixts. with oligosaccharides 581809-46-3D, Bixafen, mixts. with oligosaccharides and insecticides 658066-35-4D, Fluopyram, mixts. with oligosaccharides and insecticides 795297-88-0D, salts, mixts. containing 795297-89-1D, salts, mixts. containing 795297-90-4D, salts, mixts. containing 795297-91-5D, salts, mixts. containing 855774-49-1D, mixts. containing 855774-53-7D, mixts. containing 855774-54-8D, mixts. containing 855833-74-8D, salts, mixts. containing 855833-75-9D, salts, mixts. containing 855833-76-0D, salts, mixts. containing 863549-51-3D, Lepimectin, mixts. with oligosaccharides 874967-67-6D, mixts. with oligosaccharides and insecticides 935545-74-7D, Spinetoram, mixts. with oligosaccharides 1032329-17-1D, mixts. containing 1032329-20-6D, mixts. containing 1032329-25-1D, mixts. containing 1033003-78-9D, mixts. containing 1033003-95-0D, mixts. containing 1033004-07-7D, mixts. containing 1033004-09-9D, mixts. containing 1033004-13-5D, mixts. containing 1033004-14-6D, mixts. containing

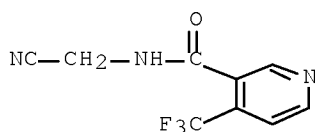
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (nodulation promoting and insecticidal compns.)

IT 158062-67-0D, Flonicamid, mixts. with oligosaccharides 203313-25-1D, mixts. with oligosaccharides 382608-10-8D, mixts. with oligosaccharides 500008-45-7D, Rynaxypyr, mixts. with oligosaccharides

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (nodulation promoting and insecticidal compns.)

RN 158062-67-0 HCAPLUS

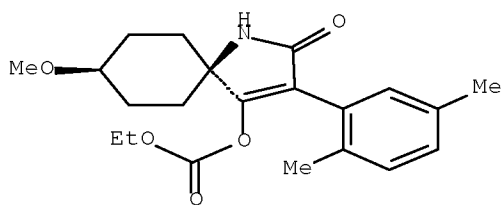
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 203313-25-1 HCAPLUS

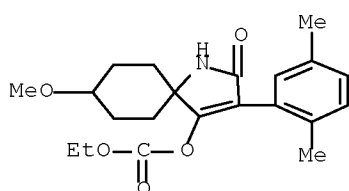
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



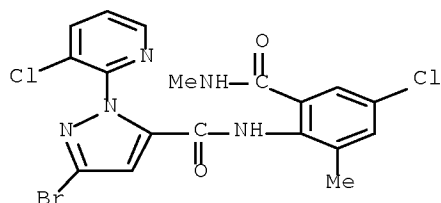
RN 382608-10-8 HCAPLUS

CN Carbonic acid, 3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)



RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 12 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:675069 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 149:3149

TITLE: Insecticidal, acaricidal and nematocidal mixtures containing formononetin

INVENTOR(S): Andersch, Wolfram; Hungenberg, Heike; Mansfield, Darren

PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany

SOURCE: PCT Int. Appl., 39pp.

CODEN: PIXXD2

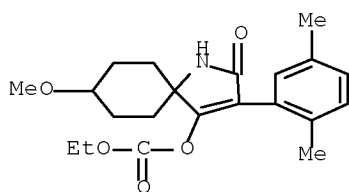
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

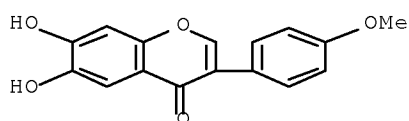
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WO 2008064778	A2	20080605	WO 2007-EP9898	20071116
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DE 102006056544	A1	20080605	DE 2006-102006056544	20061129
PRIORITY APPLN. INFO.:			DE 2006-102006056544A	20061129
AB	The invention relates to active ingredient combinations consisting of formononetin and a known insecticide. The combinations are suitable for controlling insects, acarids or nematodes.			
IC	ICM A01N			
CC	5-4 (Agrochemical Bioregulators)			
IT	Acaricides			
	Insecticides			
	Nematocides			
	(mixts. containing formononetin)			
IT	1028470-81-6	1028470-84-9	1028470-87-2	1028470-93-0
	1028470-96-3	1028471-00-2	1028471-03-5	1028471-09-1
	1028471-12-6	1028471-15-9	1028471-18-2	1028471-24-0
	1028471-28-4	1028471-31-9	1028471-34-2	1028471-40-0
	1028471-43-3	1028471-46-6	1028471-49-9	1028471-52-4
	1028471-55-7	1028471-58-0	1028471-61-5	1028471-64-8
	1028471-67-1	1028471-70-6	1028471-73-9	1028471-76-2
	1028471-79-5	1028471-82-0	1028471-85-3	1028471-91-1
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	1028472-33-4	1028472-37-8	1028472-41-4	1028472-50-5
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	1028472-69-6	1028472-72-1	1028472-75-4	1028472-81-2
	1028472-84-5	1028472-87-8	1028472-90-3	1028472-96-9
	1028472-99-2	1028473-03-1	1028473-06-4	1028473-12-2
	1028473-15-5	1028810-21-0	1028939-27-6	
	RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)			
	(insecticidal, acaricidal and nematocidal composition)			
IT	1028471-55-7 1028471-58-0 1028471-67-1			
	RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)			
	(insecticidal, acaricidal and nematocidal composition)			
RN	1028471-55-7 HCAPLUS			
CN	Carbonic acid, 3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with 6,7-dihydroxy-3-(4-methoxyphenyl)-4H-1-benzopyran-4-one (CA INDEX NAME)			
CM	1			
CRN	382608-10-8			
CMF	C21 H27 N O5			



CM 2

CRN 897-46-1

CMF C16 H12 O5



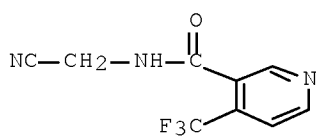
RN 1028471-58-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
6,7-dihydroxy-3-(4-methoxyphenyl)-4H-1-benzopyran-4-one (CA INDEX NAME)

CM 1

CRN 158062-67-0

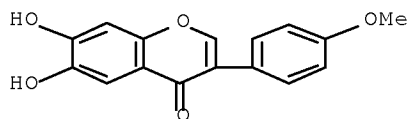
CMF C9 H6 F3 N3 O



CM 2

CRN 897-46-1

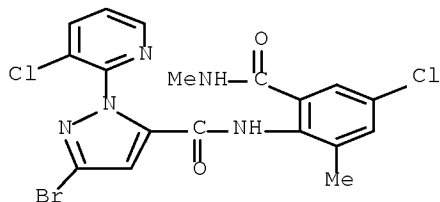
CMF C16 H12 O5



RN 1028471-67-1 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
 6,7-dihydroxy-3-(4-methoxyphenyl)-4H-1-benzopyran-4-one (CA INDEX NAME)

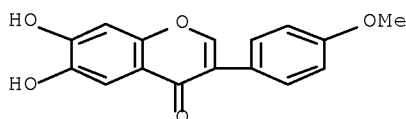
CM 1

CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 897-46-1  
 CMF C16 H12 O5



L30 ANSWER 13 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:352700 HCAPLUS Full-text  
 DOCUMENT NUMBER: 148:324710  
 TITLE: Synergistic pesticide mixtures comprising sulfonamides  
 INVENTOR(S): Von Deyn, Wolfgang; Langewald, Juergen; Pohlman,  
 Matthias; Kaiser, Florian; Anspaugh, Douglas D.; Van  
 Tuyl Cotter, Henry; Armes, Nigel  
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 45pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008031712	A2	20080320	WO 2007-EP58857	20070827
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA,				

CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI,  
 GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG,  
 KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,  
 MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,  
 PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN,  
 TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,  
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 BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

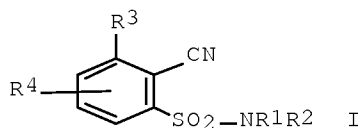
US 2006-843606P

P 20060911

OTHER SOURCE(S):

MARPAT 148:324710

GI



AB The invention relates to synergistic pesticidal mixts. comprising a sulfonamide derivative I (R<sub>1</sub> = H or Me; R<sub>2</sub> = H, Me, Et or propargyl; R<sub>3</sub> = Cl, MeO or difluoromethoxy; R<sub>4</sub> = H or F) and one or more compds. selected from acetylcholine esterase inhibitors, GABA-gated chloride channel antagonists, sodium channel modulators, nicotinic acetylcholine receptor agonists/antagonists, chloride channel activators, juvenile hormone mimics, compds. affecting oxidative phosphorylation, inhibitors of the chitin biosynthesis, molting disruptors, inhibitors of the mitochondrial electron transport, voltage-dependent sodium channel blockers, inhibitors of lipid synthesis, etc. The invention relates further to use of these mixts. for combating insects, arachnids or nematodes in and on plants, and for protecting such plants being infested with pests, especially for protecting seeds. The preparation of N-ethyl-2-cyano-4-fluoro-3-methoxybenzenesulfonamide is given.

CC 5-4 (Agrochemical Bioregulators)

Section cross-reference(s): 25

IT Acaricides

Insecticides

(mixts. comprising sulfonamides)

IT 1010413-61-2 1010413-63-4 1010413-65-6 1010413-67-8

1010413-69-0 1010413-72-5 1010413-75-8 1010413-77-0

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(synergistic pesticide)

IT 51-03-6D, Piperonyl butoxide, mixts. with sulfonamide derivs. 52-68-6D, Trichlorfon, mixts. with sulfonamide derivs. 54-11-5D, Nicotin, mixts. with sulfonamide derivs. 55-38-9D, Fenthion, mixts. with sulfonamide derivs. 56-38-2D, Parathion, mixts. with sulfonamide derivs. 60-51-5D, Dimethoate, mixts. with sulfonamide derivs. 62-73-7D, Ddvp, mixts. with sulfonamide derivs. 63-25-2D, Carbaryl, mixts. with sulfonamide derivs. 86-50-0D, Azinphosmethyl, mixts. with sulfonamide derivs. 114-26-1D, Propoxur, mixts. with sulfonamide derivs. 115-29-7D, Endosulfan, mixts. with sulfonamide derivs. 116-06-3D, Aldicarb, mixts. with sulfonamide derivs. 121-75-5D, Malathion, mixts. with sulfonamide derivs. 122-14-5D, Fenitrothion, mixts. with sulfonamide derivs. 141-66-2D, Dicrotophos, mixts. with sulfonamide derivs. 298-00-0D, Parathionmethyl,

mixts. with sulfonamide derivs. 298-02-2D, Phorate, mixts. with sulfonamide derivs. 298-04-4D, Disulfoton, mixts. with sulfonamide derivs. 301-12-2D, Oxydemeton-methyl, mixts. with sulfonamide derivs. 333-41-5D, Diazinon, mixts. with sulfonamide derivs. 470-90-6D, Chlorfenvinphos, mixts. with sulfonamide derivs. 563-12-2D, Ethion, mixts. with sulfonamide derivs. 584-79-2D, Allethrin, mixts. with sulfonamide derivs. 732-11-6D, Phosmet, mixts. with sulfonamide derivs. 919-86-8D, Demeton-S-methyl, mixts. with sulfonamide derivs. 950-37-8D, Methidathion, mixts. with sulfonamide derivs. 1113-02-6D, Omethoate, mixts. with sulfonamide derivs. 1563-66-2D, Carbofuran, mixts. with sulfonamide derivs. 2032-65-7D, Methiocarb, mixts. with sulfonamide derivs. 2310-17-0D, Phosalone, mixts. with sulfonamide derivs. 2312-35-8D, Propargite, mixts. with sulfonamide derivs. 2597-03-7D, Phenthoate, mixts. with sulfonamide derivs. 2642-71-9D, Azinphos-ethyl, mixts. with sulfonamide derivs. 2921-88-2D, Chlorpyrifos, mixts. with sulfonamide derivs. 5598-13-0D, Chlorpyrifosmethyl, mixts. with sulfonamide derivs. 6923-22-4D, Monocrotophos, mixts. with sulfonamide derivs. 7786-34-7D, Mevinphos, mixts. with sulfonamide derivs. 10265-92-6D, Methamidophos, mixts. with sulfonamide derivs. 11141-17-6D, Azadirachtin;, mixts. with sulfonamide derivs. 13071-79-9D, Terbufos, mixts. with sulfonamide derivs. 13171-21-6D, Phosphamidon, mixts. with sulfonamide derivs. 13356-08-6D, Fenbutatin oxide, mixts. with sulfonamide derivs. 13593-03-8D, Quinalphos, mixts. with sulfonamide derivs. 15263-52-2D, Cartap hydrochloride, mixts. with sulfonamide derivs. 16752-77-5D, Methomyl, mixts. with sulfonamide derivs. 18854-01-8D, Isoxathion, mixts. with sulfonamide derivs. 22248-79-9D, Tetrachlorvinphos, mixts. with sulfonamide derivs. 23103-98-2D, Pirimicarb, mixts. with sulfonamide derivs. 23135-22-0D, Oxamyl, mixts. with sulfonamide derivs. 24017-47-8D, Triazophos, mixts. with sulfonamide derivs. 29232-93-7D, Pirimiphosmethyl, mixts. with sulfonamide derivs. 30560-19-1D, Acephate, mixts. with sulfonamide derivs. 31895-21-3D, Thiocyclam, mixts. with sulfonamide derivs. 33089-61-1D, Amitraz, mixts. with sulfonamide derivs. 35367-38-5D, Diflubenzuron, mixts. with sulfonamide derivs. 39515-41-8D, Fenpropathrin, mixts. with sulfonamide derivs. 41096-46-2D, Hydroprene, mixts. with sulfonamide derivs. 42588-37-4D, Kinoprene, mixts. with sulfonamide derivs. 51596-10-2D, Milbemectin;, mixts. with sulfonamide derivs. 51630-58-1D, Fenvalerate, mixts. with sulfonamide derivs. 52315-07-8D, Cypermethrin, mixts. with sulfonamide derivs. 52645-53-1D, Permethrin, mixts. with sulfonamide derivs. 52918-63-5D, Deltamethrin, mixts. with sulfonamide derivs. 55285-14-8D, Carbosulfan, mixts. with sulfonamide derivs. 59669-26-0D, Thiodicarb, mixts. with sulfonamide derivs. 66841-25-6D, Tralomethrin;, mixts. with sulfonamide derivs. 67375-30-8D, Alphacypermethrin, mixts. with sulfonamide derivs. 68359-37-5D, Cyfluthrin, mixts. with sulfonamide derivs. 69327-76-0D, Buprofezin, mixts. with sulfonamide derivs. 70124-77-5D, Flucythrinate, mixts. with sulfonamide derivs. 71751-41-2D, Abamectin, mixts. with sulfonamide derivs. 72490-01-8D, Fenoxycarb, mixts. with sulfonamide derivs. 74115-24-5D, Clofentezine, mixts. with sulfonamide derivs. 78587-05-0D, Hexythiazox, mixts. with sulfonamide derivs. 80060-09-9D, Diafenthiuron, mixts. with sulfonamide derivs. 80844-07-1D, Etofenprox, mixts. with sulfonamide derivs. 82560-54-1D, Benfuracarb, mixts. with sulfonamide derivs. 82657-04-3D, Bifenthrin, mixts. with sulfonamide derivs. 83121-18-0D, Teflubenzuron;, mixts. with sulfonamide derivs. 83130-01-2D, Alanycarb, mixts. with sulfonamide derivs. 84466-05-7D, Amidoflumet, mixts. with sulfonamide derivs. 86479-06-3D, Hexaflumuron, mixts. with sulfonamide derivs. 95737-68-1D, Pyriproxyfen;, mixts. with sulfonamide derivs. 96489-71-3D, Pyridaben, mixts. with sulfonamide derivs. 101463-69-8D, Flufenoxuron, mixts. with sulfonamide derivs. 102851-06-9D, Taufluvalinate, mixts. with sulfonamide derivs.



103055-07-8D, Lufenuron, mixts. with sulfonamide derivs. 105024-66-6D, Silafluofen, mixts. with sulfonamide derivs. 111988-49-9D, Thiacloprid, mixts. with sulfonamide derivs. 112410-23-8D, Tebufenozide, mixts. with sulfonamide derivs. 116714-46-6D, Novaluron, mixts. with sulfonamide derivs. 120068-37-3D, Fipronil, mixts. with sulfonamide derivs. 122431-24-7D, Flupyrzofos, mixts. with sulfonamide derivs. 122453-73-0D, Chlorfenapyr;, mixts. with sulfonamide derivs. 123312-89-0D, Pymetrozine, mixts. with sulfonamide derivs. 129558-76-5D, Tolfeppyrad, mixts. with sulfonamide derivs. 135410-20-7D, Acetamiprid, mixts. with sulfonamide derivs. 138261-41-3D, Imidacloprid, mixts. with sulfonamide derivs. 139968-49-3D, Metaflumizone;, mixts. with sulfonamide derivs. 145767-97-1D, Vaniliprole, mixts. with sulfonamide derivs. 148477-71-8D, Spirodiclofen, mixts. with sulfonamide derivs. 149877-41-8D, Bifenazate, mixts. with sulfonamide derivs. 150824-47-8D, Nitenpyram, mixts. with sulfonamide derivs. 153233-91-1D, Etoxazole, mixts. with sulfonamide derivs. 153719-23-4D, Thiamethoxam, mixts. with sulfonamide derivs. 155569-91-8D, Emamectin benzoate, mixts. with sulfonamide derivs. 156819-70-4D, mixts. with sulfonamide derivs. 156820-38-1D, mixts. with sulfonamide derivs. 158062-67-0D, Flonicamid, mixts. with sulfonamide derivs. 161050-58-4D, Methoxyfenozide, mixts. with sulfonamide derivs. 165252-70-0D, Dinotefuran, mixts. with sulfonamide derivs. 168316-95-8D, Spinosad, mixts. with sulfonamide derivs. 173584-44-6D, Indoxacarb, mixts. with sulfonamide derivs. 179101-81-6D, Pyridalyl, mixts. with sulfonamide derivs. 181587-01-9D, Ethiprole, mixts. with sulfonamide derivs. 203313-25-1D, Spirotetramat;, mixts. with sulfonamide derivs. 208652-17-9D, mixts. with sulfonamide derivs. 209861-58-5D, Acetoprole, mixts. with sulfonamide derivs. 210880-92-5D, Clothianidin, mixts. with sulfonamide derivs. 272451-65-7D, Flubendiamide, mixts. with sulfonamide derivs. 283594-90-1D, Spiromesifen, mixts. with sulfonamide derivs. 315208-17-4D, Pyrafluprole, mixts. with sulfonamide derivs. 337458-27-2D, Pyrifluquinazon, mixts. with sulfonamide derivs. 394730-71-3D, Pyriprole, mixts. with sulfonamide derivs. 400882-07-7D, Cyflumetofen, mixts. with sulfonamide derivs. 500008-45-7D, Chlorantraniliprole, mixts. with sulfonamide derivs. 560121-52-0D, Cyenopyrafen, mixts. with sulfonamide derivs. 736994-63-1D, mixts. with sulfonamide derivs. 863549-51-3D, Lepimectin, mixts. with sulfonamide derivs.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic pesticides)

IT 1010413-67-8 1010413-77-0

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic pesticide)

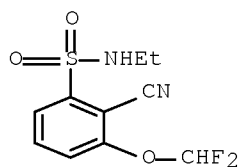
RN 1010413-67-8 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
2-cyano-3-(difluoromethoxy)-N-ethylbenzenesulfonamide (CA INDEX NAME)

CM 1

CRN 850154-70-0

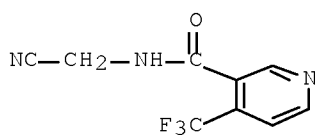
CMF C10 H10 F2 N2 O3 S



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



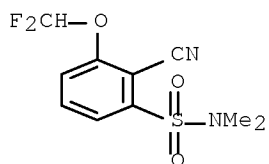
RN 1010413-77-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 2-cyano-3-(difluoromethoxy)-N,N-dimethylbenzenesulfonamide (CA INDEX NAME)

CM 1

CRN 889097-30-7

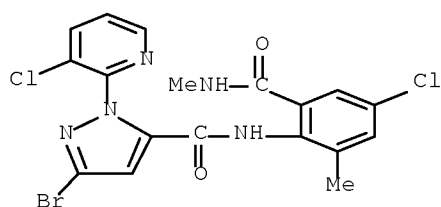
CMF C10 H10 F2 N2 O3 S



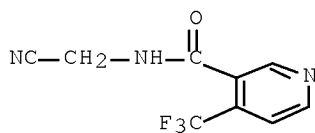
CM 2

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2

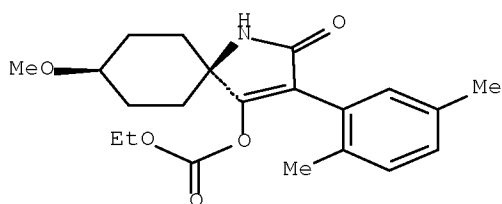


IT 158062-67-0D, Flonicamid, mixts. with sulfonamide derivs.  
 203313-25-1D, Spirotetramat;, mixts. with sulfonamide derivs.  
 500008-45-7D, Chlorantraniliprole, mixts. with sulfonamide derivs.  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic pesticides)  
 RN 158062-67-0 HCAPLUS  
 CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)

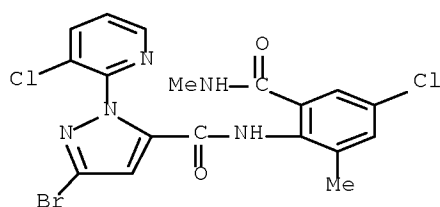


RN 203313-25-1 HCAPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 14 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:72081 HCAPLUS Full-text  
 DOCUMENT NUMBER: 148:114856  
 TITLE: Method of controlling or preventing pathogenic damage  
 in a plant propagation material  
 INVENTOR(S): Brandl, Franz; Oostendorp, Michael; Zeun, Ronald  
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.  
 SOURCE: PCT Int. Appl., 34pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008006541	A2	20080117	WO 2007-EP6087	20070710
WO 2008006541	A3	20080508		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				

PRIORITY APPLN. INFO.: EP 2006-14447 A 20060712

AB The invention relates to a method of controlling or preventing pathogenic damage in a plant propagation material, a plant, parts of a plant and/or plant organs that grow at a later point in time. The method comprises applying on the plant propagation material a composition comprising a formulated mixture of components (A) penthiopyrad, (B) one or more fungicides, and (C) one or more formulation adjuvants as defined in the patent claims, and may further comprise addition of an insecticide and/or nematocide.

IC ICM A01N

CC 5-2 (Agrochemical Bioregulators)

IT Coloring materials

Insecticides

Nematocides

Pesticide formulations

Plant pathogen

Plant tissue

Reproduction, plant

Seed

(method of controlling or preventing pathogenic damage in plant propagation material)

IT 148-79-8D, mixture 333-41-5D, mixture 950-37-8D, mixture 2032-65-7D, mixture

41198-08-7D, mixture 52645-53-1D, mixture 53112-28-0D, mixture

57837-19-1D, mixture 59669-26-0D, mixture 66215-27-8D, mixture

67747-09-5D, mixture 68359-37-5D, mixture 70630-17-0D, mixture

71626-11-4D, mixture 71751-41-2D, Avermectin B1, mixture 72459-58-6D, mixture

72490-01-8D, mixture 76674-21-0D, mixture 79538-32-2D, mixture

80060-09-9D, mixture 98243-83-5D, mixture 98886-44-3D, mixture

103055-07-8D, mixture 107534-96-3D, mixture 119446-68-3D, mixture

120068-37-3D, mixture 123312-89-0D, mixture 125116-23-6D, mixture

125225-28-7D, mixture 131341-86-1D, mixture 131860-33-8D, mixture

131983-72-7D, mixture 135410-20-7D, mixture 136426-54-5D, mixture

138261-41-3D, mixture 139968-49-3D, mixture 141517-21-7D, mixture

153719-23-4D, mixture 155569-91-8D, mixture 158062-67-0D, mixture

168316-95-8D, Spinosad, mixture 175013-18-0D, mixture 178928-70-6D, mixture

183675-82-3D, mixture 203313-25-1D, mixture 210880-92-5D, mixture

272451-65-7D, mixture 374726-62-2D, mixture 500008-45-7D, mixture

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(method of controlling or preventing pathogenic damage in plant propagation material)

IT 158062-67-0D, mixture 203313-25-1D, mixture

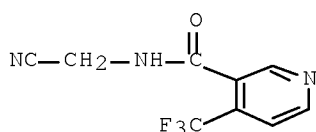
500008-45-7D, mixture

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(method of controlling or preventing pathogenic damage in plant propagation material)

RN 158062-67-0 HCAPLUS

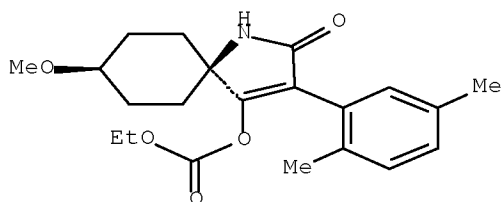
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



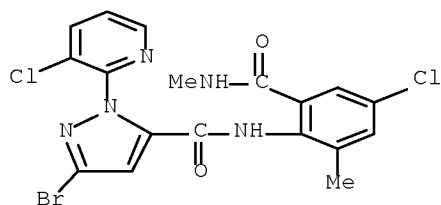
RN 203313-25-1 HCAPLUS

CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.

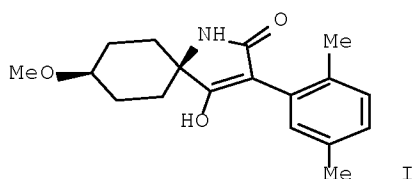


RN 500008-45-7 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 15 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:69199 HCAPLUS Full-text  
 DOCUMENT NUMBER: 148:114886  
 TITLE: Insecticidal and acaricidal combinations containing  
 azaspirodecenone derivatives  
 INVENTOR(S): Fischer, Rainer; Andersch, Wolfram; Koenig, Thomas;  
 Kraus, Anton; Salmon, Emmanuel; Hungenberg, Heike  
 PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany  
 SOURCE: PCT Int. Appl., 51pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008006512	A1	20080117	WO 2007-EP5993	20070706
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM DE 102006031978 A1 20080117 DE 2006-102006031978 20060711 PRIORITY APPLN. INFO.: DE 2006-102006031978A 20060711 GI				

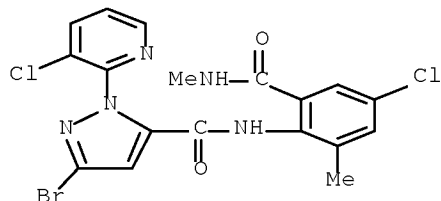


- AB Novel combinations of I or its ethoxycarbonyl derivative and  $\geq 1$  of 30 other active ingredients have excellent insecticidal and acaricidal properties. Thus, I + lufenuron at 100 + 100 ppm synergistically controlled *Spodoptera frugiperda* larva on infested cabbage leaves, with 100% mortality after 2 days. In contrast, when the same rates of lufenuron and a mixture of the cis and trans isomers of I were combined, mortality was only 80% after 2 days.
- CC 5-4 (Agrochemical Bioregulators)
- IT Acaricides  
Insecticides  
(mixts. containing azaspirodecenone derivs. as synergistic insecticides and acaricides)
- IT 115-29-7D, Endosulfan, mixts. with azaspirodecenone derivs. 11141-17-6, Azadirachtin 35367-38-5D, Diflubenzuron, mixts. with azaspirodecenone derivs. 63837-33-2, Diofenolan 64628-44-0D, Triflumuron, mixts. with azaspirodecenone derivs. 66215-27-8, Cyromazine 71422-67-8D, Chlorfluazuron, mixts. with azaspirodecenone derivs. 83121-18-0D, Teflubenzuron, mixts. with azaspirodecenone derivs. 86479-06-3D, Hexaflumuron, mixts. with azaspirodecenone derivs. 101463-69-8D, Flufenoxuron, mixts. with azaspirodecenone derivs. 103055-07-8D, Lufenuron, mixts. with azaspirodecenone derivs. 112226-61-6D, Halofenozide, mixts. with azaspirodecenone derivs. 112410-23-8D, Tebufenozide, mixts. with azaspirodecenone derivs. 116714-46-6D, Novaluron, mixts. with azaspirodecenone derivs. 119791-41-2D, Emamectin, mixts. with azaspirodecenone derivs. 120068-37-3D, Fipronil, mixts. with azaspirodecenone derivs. 121451-02-3D, Noviflumuron, mixts. with azaspirodecenone derivs. 139968-49-3, Metaflumizone 143807-66-3D, Chromafenozide, mixts. with azaspirodecenone derivs. 161050-58-4D, Methoxyfenozide, mixts. with azaspirodecenone derivs. 173584-44-6, Indoxacarb 181587-01-9, Ethiprole 272451-65-7, Flubendiamide 315208-17-4, Pyrafluprole 394730-71-3, Pyriprole 467427-80-1D, JS-118, mixts. with azaspirodecenone derivs. 500008-45-7, Rynaxypyr 1000984-25-7 1000984-26-8 1000984-27-9 1000984-28-0 1000984-29-1 1000984-30-4 1000984-31-5 1000984-32-6 1000984-33-7 1000984-34-8 1000984-35-9 1000984-36-0 1000984-37-1  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(as synergistic insecticide and acaricide)
- IT 203312-38-3D, mixts. containing 203313-25-1D, mixts. containing  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(as synergistic insecticides and acaricides)
- IT 500008-45-7, Rynaxypyr 1000984-25-7 1000984-26-8 1000984-27-9 1000984-28-0 1000984-30-4 1000984-31-5 1000984-32-6 1000984-33-7 1000984-34-8 1000984-35-9 1000984-37-1  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL

(Biological study); USES (Uses)  
(as synergistic insecticide and acaricide)

RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



RN 1000984-25-7 HCAPLUS

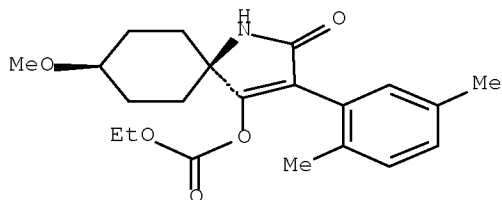
CN Avermectin B1, 4'''-deoxy-4'''-(methylamino)-, (4'''R)-, benzoate (1:1),  
mixt. with cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-  
en-4-yl ethyl carbonate (CA INDEX NAME)

CM 1

CRN 203313-25-1

CMF C21 H27 N O5

Relative stereochemistry.



CM 2

CRN 155569-91-8

CMF C7 H6 O2 . Unspecified

CM 3

CRN 119791-41-2

CMF Unspecified

CCI MAN

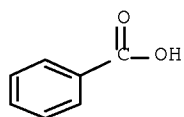
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 4

CRN 65-85-0

CMF C7 H6 O2

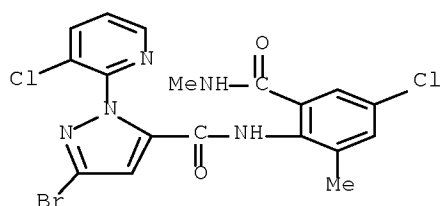




RN 1000984-26-8 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
 cis-3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-  
 one (CA INDEX NAME)

CM 1

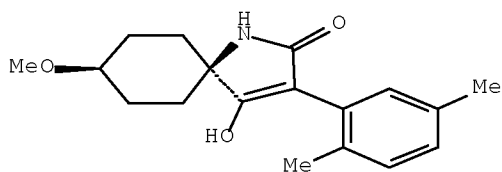
CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 203312-38-3  
 CMF C18 H23 N O3

Relative stereochemistry.

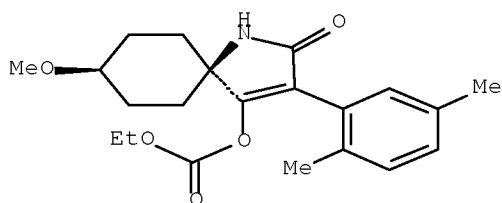


RN 1000984-27-9 HCAPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-  
 azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with 5-amino-1-[2,6-dichloro-  
 4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-1H-pyrazole-3-  
 carbonitrile (CA INDEX NAME)

CM 1

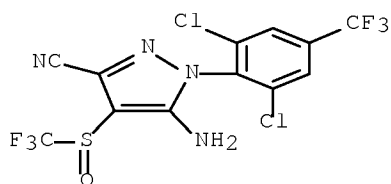
CRN 203313-25-1  
 CMF C21 H27 N O5

Relative stereochemistry.



CM 2

CRN 120068-37-3  
 CMF C12 H4 Cl2 F6 N4 O S

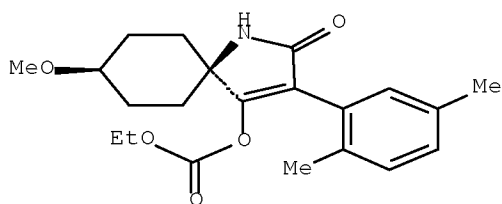


RN 1000984-28-0 HCAPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with 2-chloro-N-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]benzamide (CA INDEX NAME)

CM 1

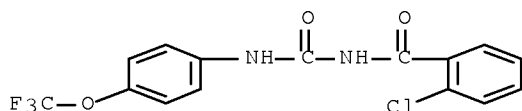
CRN 203313-25-1  
 CMF C21 H27 N O5

Relative stereochemistry.



CM 2

CRN 64628-44-0  
 CMF C15 H10 Cl F3 N2 O3

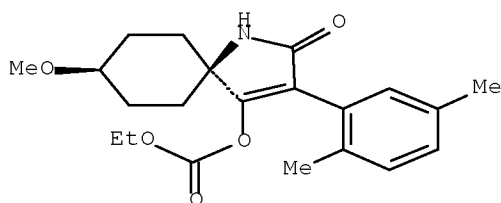


RN 1000984-30-4 HCAPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with N-[[[4-[2-chloro-4-(trifluoromethyl)phenoxy]-2-fluorophenyl]amino]carbonyl]-2,6-difluorobenzamide (CA INDEX NAME)

CM 1

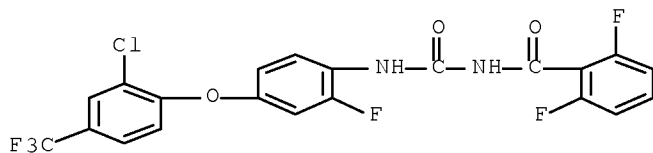
CRN 203313-25-1  
 CMF C21 H27 N O5

Relative stereochemistry.



CM 2

CRN 101463-69-8  
 CMF C21 H11 Cl F6 N2 O3

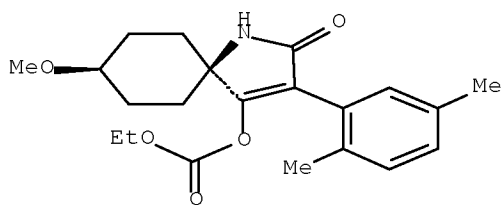


RN 1000984-31-5 HCAPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with N-[[[2,5-dichloro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]amino]carbonyl]-2,6-difluorobenzamide (CA INDEX NAME)

CM 1

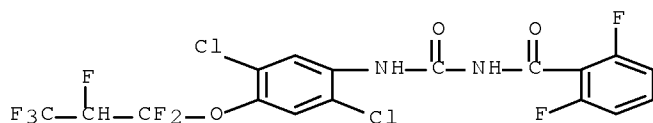
CRN 203313-25-1  
CMF C21 H27 N O5

Relative stereochemistry.



CM 2

CRN 103055-07-8  
CMF C17 H8 C12 F8 N2 O3

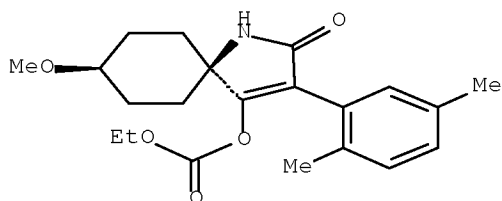


RN 1000984-32-6 HCAPLUS  
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with 2-[2-(4-cyanophenyl)-1-[3-(trifluoromethyl)phenyl]ethylidene]-N-[4-(trifluoromethoxy)phenyl]hydrazinecarboxamide (CA INDEX NAME)

CM 1

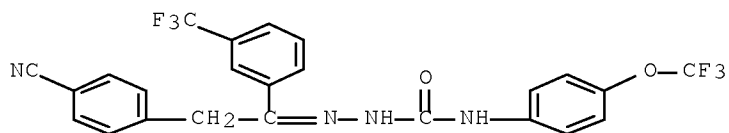
CRN 203313-25-1  
CMF C21 H27 N O5

Relative stereochemistry.



CM 2

CRN 139968-49-3  
 CMF C24 H16 F6 N4 O2

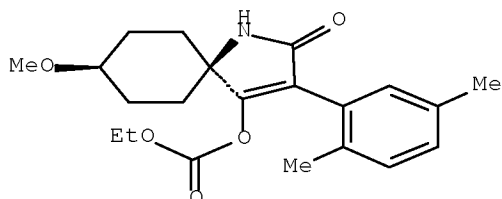


RN 1000984-33-7 HCAPLUS  
 CN Indeno[1,2-e][1,3,4]oxadiazine-4a(3H)-carboxylic acid,  
 7-chloro-2,5-dihydro-2-[[ (methoxycarbonyl) [4-(trifluoromethoxy)phenyl]amin  
 o]carbonyl]-, methyl ester, (4aS)-, mixt. with cis-3-(2,5-dimethylphenyl)-  
 8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl carbonate (CA INDEX  
 NAME)

CM 1

CRN 203313-25-1  
 CMF C21 H27 N O5

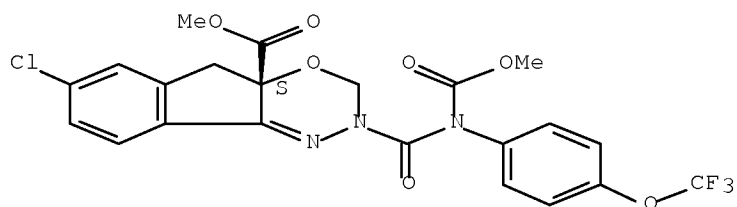
Relative stereochemistry.



CM 2

CRN 173584-44-6  
 CMF C22 H17 Cl F3 N3 O7

Absolute stereochemistry. Rotation (+).



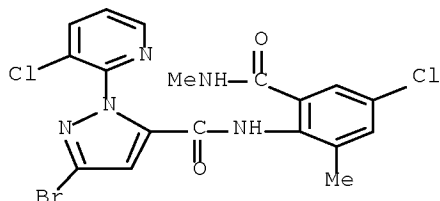
RN 1000984-34-8 HCAPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-

azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2

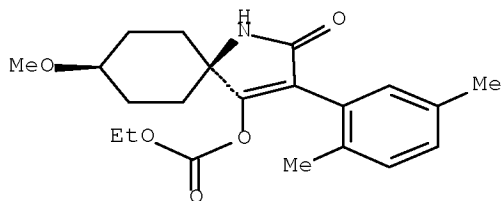


CM 2

CRN 203313-25-1

CMF C21 H27 N O5

Relative stereochemistry.



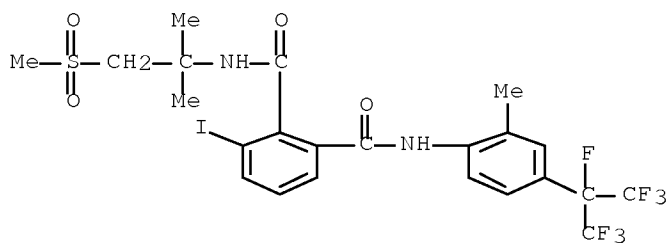
RN 1000984-35-9 HCAPLUS

CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with N2-[1,1-dimethyl-2-(methylsulfonyl)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-1,2-benzenedicarboxamide (CA INDEX NAME)

CM 1

CRN 272451-65-7

CMF C23 H22 F7 I N2 O4 S

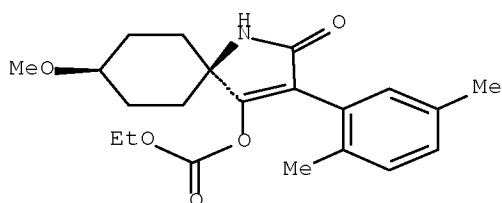


CM 2

CRN 203313-25-1

CMF C21 H27 N O5

Relative stereochemistry.



RN 1000984-37-1 HCAPLUS

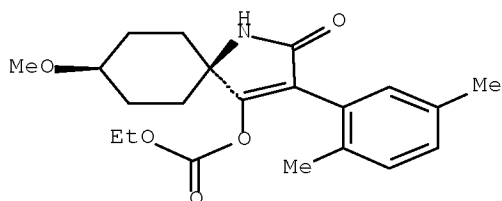
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(ethylsulfinyl)-1H-pyrazole-3-carbonitrile (CA INDEX NAME)

CM 1

CRN 203313-25-1

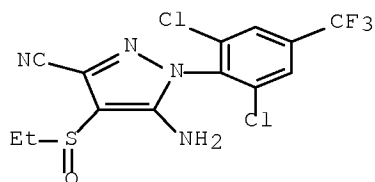
CMF C21 H27 N O5

Relative stereochemistry.



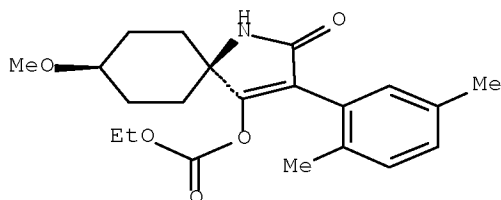
CM 2

CRN 181587-01-9  
CMF C13 H9 Cl2 F3 N4 O S



IT 203313-25-1D, mixts. containing  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
(Biological study); USES (Uses)  
(as synergistic insecticides and acaricides)  
RN 203313-25-1 HCAPLUS  
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-  
azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 16 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2008:43357 HCAPLUS Full-text  
DOCUMENT NUMBER: 148:114881  
TITLE: Pesticidal composition comprising a  
pyridylethylbenzamide derivative and an insecticide  
INVENTOR(S): Hungenberg, Heike; Labourdette, Gilbert; Schirring,  
Albert; Schuetz, Burkhard; Suty-Heinze, Anne;  
Thielert, Wolfgang; Vaupel, Martin  
PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany  
SOURCE: PCT Int. Appl., 52pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2008003738	A1	20080110	WO 2007-EP56796	20070705
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA,				
CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI,				



GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG,  
 KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,  
 MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,  
 PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN,  
 TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,  
 GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,  
 BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

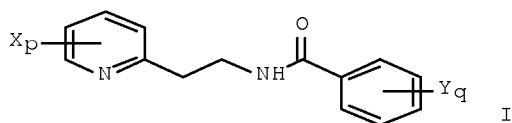
EP 2006-356084

A 20060706

OTHER SOURCE(S):

MARPAT 148:114881

GI



AB A pesticidal composition comprises at least (a) a pyridylethylbenzamide derivative (I; p = 1-4 integer; q = 1-5 integer; each X = independently halo, (halo)alkyl; each Y = independently halo, alkyl, alkenyl, alkoxy, NH<sub>2</sub>, phenoxy, CN, etc.) and (b) an insecticide compound in an (a)/(b) weight ratio from 1/1000 to 1000/1. The composition may comprise an addnl. fungicidal compound. A method for preventively or curatively combating the pests and diseases of crops uses this composition. Thus, a mixture containing N-{2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl}-2-trifluoromethylbenzamide and fipronil at 200 + 100 ppm showed a synergistic effect against cotton aphid (*Aphis gossypii*) on heavily infested cotton (*Gossypium herbaceum*) leaves, with 85% insect mortality after 1 day.

CC 5-4 (Agrochemical Bioregulators)

IT Insecticides

(synergistic pesticidal compns. comprising  
 pyridylethylbenzamides and insecticides)

IT 63-25-2D, Carbaryl, mixts. with pyridylethylbenzamides 116-06-3D,  
 Aldicarb, mixts. with pyridylethylbenzamides 1563-66-2D, Carbofuran,  
 mixts. with pyridylethylbenzamides 2032-65-7D, Methiocarb, mixts. with  
 pyridylethylbenzamides 2921-88-2D, Chlorpyrifos, mixts. with  
 pyridylethylbenzamides 10265-92-6D, Methamidophos, mixts. with  
 pyridylethylbenzamides 16752-77-5D, Methomyl, mixts. with  
 pyridylethylbenzamides 24017-47-8D, Triazophos, mixts. with  
 pyridylethylbenzamides 30560-19-1D, Acephate, mixts. with  
 pyridylethylbenzamides 35367-38-5D, Diflubenzuron, mixts. with  
 pyridylethylbenzamides 41198-08-7D, Profenofos, mixts. with  
 pyridylethylbenzamides 51570-36-6D, Milbemycin, mixts. with  
 pyridylethylbenzamides 52315-07-8D, Cypermethrin, mixts. with  
 pyridylethylbenzamides 52918-63-5D, Deltamethrin, mixts. with  
 pyridylethylbenzamides 59669-26-0D, Thiodicarb, mixts. with  
 pyridylethylbenzamides 64628-44-0D, Triflumuron, mixts. with  
 pyridylethylbenzamides 66215-27-8D, Cyromazine, mixts. with  
 pyridylethylbenzamides 67375-30-8D, Alpha-cypermethrin, mixts. with  
 pyridylethylbenzamides 68085-85-8D, Cyhalothrin, L-isomer, mixts. with  
 pyridylethylbenzamides 68359-37-5D, Beta-cyfluthrin, mixts. with  
 pyridylethylbenzamides 71422-67-8D, Chlorfluazuron, mixts. with  
 pyridylethylbenzamides 71751-41-2D, Abamectin, mixts. with

pyridylethylbenzamides 76703-62-3D, Gamma-cyhalothrin, mixts. with  
pyridylethylbenzamides 79538-32-2D, Tefluthrin, mixts. with  
pyridylethylbenzamides 82657-04-3D, Bifenthrin, mixts. with  
pyridylethylbenzamides 83121-18-0D, Teflubenzuron, mixts. with  
pyridylethylbenzamides 86479-06-3D, Hexaflumuron, mixts. with  
pyridylethylbenzamides 96182-53-5D, Tebupirimphos, mixts. with  
pyridylethylbenzamides 101007-06-1D, Acrinathrin, mixts. with  
pyridylethylbenzamides 101463-69-8D, Flufenoxuron, mixts. with  
pyridylethylbenzamides 103055-07-8D, Lufenuron, mixts. with  
pyridylethylbenzamides 111988-49-9D, Thiacloprid, mixts. with  
pyridylethylbenzamides 112410-23-8D, Tebufenozide, mixts. with  
pyridylethylbenzamides 116714-46-6D, Novaluron, mixts. with  
pyridylethylbenzamides 119168-77-3D, Tebufenpyrad, mixts. with  
pyridylethylbenzamides 120068-37-3D, Fipronil, mixts. with  
pyridylethylbenzamides 122453-73-0D, Chlorfenapyr, mixts. with  
pyridylethylbenzamides 123312-89-0D, Pymetrozine, mixts. with  
pyridylethylbenzamides 134098-61-6D, Fenpyroximate, mixts. with  
pyridylethylbenzamides 135410-20-7D, Acetamiprid, mixts. with  
pyridylethylbenzamides 138261-41-3D, Imidacloprid, mixts. with  
pyridylethylbenzamides 148477-71-8D, Spirodiclofen, mixts. with  
pyridylethylbenzamides 150824-47-8D, Nitenpyram, mixts. with  
pyridylethylbenzamides 153719-23-4D, Thiamethoxam, mixts. with  
pyridylethylbenzamides 155569-91-8D, Emamectin benzoate, mixts. with  
pyridylethylbenzamides 158062-67-0D, Flonicamid, mixts. with  
pyridylethylbenzamides 161050-58-4D, Methoxyfenozide, mixts. with  
pyridylethylbenzamides 165252-70-0D, Dinotefuran, mixts. with  
pyridylethylbenzamides 168316-95-8D, Spinosad, mixts. with  
pyridylethylbenzamides 173584-44-6D, Indoxacarb, mixts. with  
pyridylethylbenzamides 181587-01-9D, Ethiprole, mixts. with  
pyridylethylbenzamides 203313-25-1D, Spirotetramat, mixts. with  
pyridylethylbenzamides 210880-92-5D, Clothianidin, mixts. with  
pyridylethylbenzamides 272451-65-7D, Flubendiamide, mixts. with  
pyridylethylbenzamides 283594-90-1D, Spiromesifen, mixts. with  
pyridylethylbenzamides 500008-45-7D, Rynaxypyr, mixts. with  
pyridylethylbenzamides 658066-35-4D, mixts. containing 659743-90-5D,  
mixts. containing 830348-02-2D, N-[2-(3,5-Dichloro-2-pyridinyl)ethyl]-2-  
trifluoromethylbenzamide, mixts. containing 863549-51-3D, Lepimectin, mixts.  
with pyridylethylbenzamides

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
(Biological study); USES (Uses)

(synergistic pesticidal compns. comprising pyridylethylbenzamides and  
insecticides)

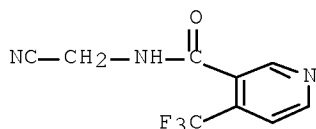
IT 158062-67-0D, Flonicamid, mixts. with pyridylethylbenzamides  
203313-25-1D, Spirotetramat, mixts. with pyridylethylbenzamides  
500008-45-7D, Rynaxypyr, mixts. with pyridylethylbenzamides

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
(Biological study); USES (Uses)

(synergistic pesticidal compns. comprising pyridylethylbenzamides and  
insecticides)

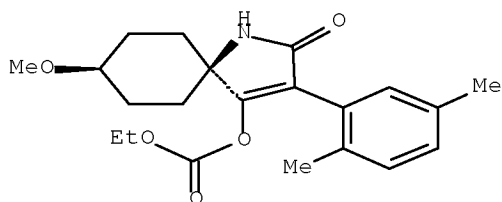
RN 158062-67-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX  
NAME)

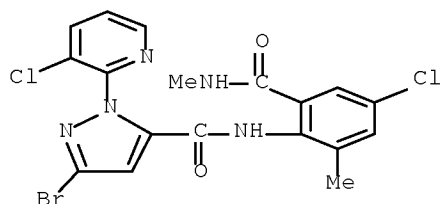


RN 203313-25-1 HCAPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 17 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:1259492 HCAPLUS Full-text  
 DOCUMENT NUMBER: 149:3075  
 TITLE: Soil and foliar insecticide applications for management of the silverleaf whitefly on fresh market tomatoes, spring 2006  
 AUTHOR(S): Schuster, David J.  
 CORPORATE SOURCE: Gulf Coast Res. and Educ. Ctr., Wimauma, FL, 33598, USA  
 SOURCE: Arthropod Management Tests (2007), 32, E61  
 CODEN: AMNTE8  
 URL: [http://www.entsoc.org/Protected/AMT/members\\_only/AMT32/E/E61.pdf](http://www.entsoc.org/Protected/AMT/members_only/AMT32/E/E61.pdf)  
 PUBLISHER: Entomological Society of America  
 DOCUMENT TYPE: Journal; (online computer file)  
 LANGUAGE: English  
 AB The effectiveness of insecticide treatments for the control of silverleaf whitefly (*Bemisia argentifolii*) pest on fresh market tomato crops was compared in Florida in Spring 2006. The insecticides included Admire Pro, N-215, Rimon 0.83EC, Induce, Oberon 2SC, Knack 0.86EC, Polo 500SC, Belay 18WSG, Coragen 20SC, Movento 1500D, Platinum 2SC, and TD 2484-02 14WP.  
 CC 5-4 (Agrochemical Bioregulators)

IT Bemisia argentifolia  
Insecticides  
Lycopersicon esculentum  
Tomato  
(soil and foliar insecticide applications for control of silverleaf whitefly (*Bemisia argentifolii*) pest on fresh market tomato crops in Florida in Spring 2006)

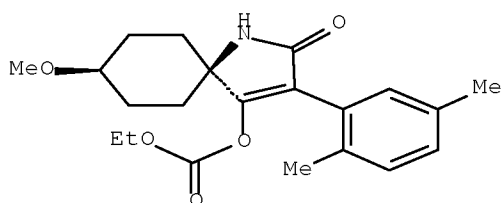
IT 80060-09-9, Polo 95737-68-1, Knack 116714-46-6, Rimon 138261-41-3, Admire pro 152987-15-0, Induce 153719-23-4, Platinum insecticide 203313-25-1, Movento 210880-92-5, Belay 283594-90-1, Oberon 500008-45-7 937276-57-8, N 215  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(soil and foliar insecticide applications for control of silverleaf whitefly (*Bemisia argentifolii*) pest on fresh market tomato crops in Florida in Spring 2006)

IT 203313-25-1, Movento 500008-45-7  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(soil and foliar insecticide applications for control of silverleaf whitefly (*Bemisia argentifolii*) pest on fresh market tomato crops in Florida in Spring 2006)

RN 203313-25-1 HCAPLUS

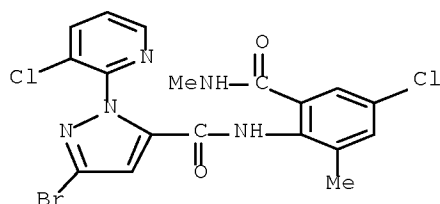
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 18 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2007:1236469 HCAPLUS [Full-text](#)  
DOCUMENT NUMBER: 147:481488  
TITLE: Preparation of pyrazoline derivative acaricides and insecticides

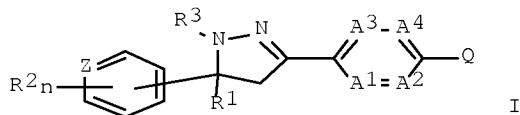
INVENTOR(S): McCann, Stephen Frederick; Smith, Brenton Todd  
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, USA  
 SOURCE: PCT Int. Appl., 111pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007123855	A2	20071101	WO 2007-US9184	20070413
WO 2007123855	A3	20080110		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRIORITY APPLN. INFO.: US 2006-793576P P 20060420  
 OTHER SOURCE(S): MARPAT 147:481488  
 GI



- AB The pyrazoline derivs. I [Z = N or CR<sub>2</sub>; R<sub>1</sub> = cyano, (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, alkylcycloalkyl or cycloalkylalkyl; R<sub>2</sub> = H, halo, (halo)alkyl, (halo)alkoxy, etc.; R<sub>3</sub> = H, cyano, CHO, alkyl, alkenyl, etc.; Q = (un)substituted 5- or 6-membered saturated or unsatd. heterocyclyl, etc.; A<sub>1</sub> = CR<sub>4</sub> or N; A<sub>2</sub> = CR<sub>5</sub> or N; A<sub>3</sub> = CR<sub>6</sub> or N; A<sub>4</sub> = CR<sub>7</sub> or N; R<sub>4</sub>-7 = H, halo, (halo)alkyl, (halo)cycloalkyl, etc.; n = 1-4] as well as I isomers, N-oxides and salts are prepared as acaricides and insecticides.
- CC 5-4 (Agrochemical Bioregulators)  
 Section cross-reference(s): 28
- IT Insecticides  
 (baits; pyrazoline compds. useful in controlling invertebrate pests)
- IT Insecticides  
 (neonicotinoid; pyrazoline compds. useful in controlling invertebrate pests)
- IT Acaricides  
 Insecticides  
 Termiticides  
 (pyrazoline derivs.)
- IT 52-68-6, Trichlorfon 56-38-2, Parathion 60-51-5, Dimethoate 60-57-1, Dieldrin 72-43-5, Methoxychlor 83-79-4, Rotenone 86-50-0, Azinphos-methyl 108-62-3, Metaldehyde 115-29-7, Endosulfan 115-32-2,

Dicofol 116-06-3, Aldicarb 121-29-9, Pyrethrin 121-75-5, Malathion 298-00-0, Parathion-methyl 298-02-2, Phorate 333-41-5, Diazinon 510-15-6, Chlorobenzilate 732-11-6, Phosmet 944-22-9, Fonophos 950-37-8, Methidathion 1563-66-2, Carbofuran 1631-58-9D, Nereistoxin, analogs 2227-17-0, Dienochlor 2310-17-0, Phosalone 2312-35-8, Propargite 2439-01-2, Chinomethionat 2921-88-2, Chlorpyrifos 5598-13-0, Chlorpyrifos-methyl 6923-22-4, Monocrotophos 10265-92-6, Methamidophos 11141-17-6, Azadirachtin 13071-79-9, Terbufos 13121-70-5, Cyhexatin 13171-21-6, Phosphamidon 13356-08-6, Fenbutatin oxide 15263-53-3, Cartap 15662-33-6, Ryanodine 16752-77-5, Methomyl 22224-92-6, Fenamiphos 22248-79-9, Tetrachlorvinphos 23103-98-2, Pirimicarb 23135-22-0, Oxamyl 25311-71-1, Isofenphos 30560-19-1, Acephate 33089-61-1, Amitraz 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos 39515-41-8, Fenpropathrin 40596-69-8, Methoprene 41198-08-7, Profenofos 51630-58-1, Fenvalerate 52207-48-4, Thiosultap-sodium 52315-07-8, Cypermethrin 52645-53-1, Permethrin 52918-63-5, Deltamethrin 58842-20-9, Nithiazine 59669-26-0, Thiodicarb 62850-32-2, Fenothiocarb 63837-33-2, Diofenolan 64628-44-0, Triflumuron 66215-27-8, Cyromazine 66230-04-4, Esfenvalerate 66841-25-6, Tralomethrin 67485-29-4, Hydramethylnon 68085-85-8, Cyhalothrin 68359-37-5, Cyfluthrin 69327-76-0, Buprofezin 70124-77-5, Flucythrinate 71422-67-8, Chlorfluazuron 71751-41-2, Abamectin 72490-01-8, Fenoxycarb 73989-17-0, Avermectin 76703-62-3, Gamma-cyhalothrin 78587-05-0, Hexythiazox 79538-32-2, Tefluthrin 80060-09-9, Diafenthiuron 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 84466-05-7, Amidoflumet 86479-06-3, Hexaflumuron 95737-68-1, Pyriproxyfen 96489-71-3, Pyridaben 101463-69-8, Flufenoxuron 102851-06-9, Tau-fluvalinate 103055-07-8, Lufenuron 111988-49-9, Thiacloprid 112143-82-5, Triazamate 112226-61-6, Halofenozide 112410-23-8, Tebufenozide 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad 119544-94-4, Protrifenbute 119791-41-2, Emamectin 120068-37-3, Fipronil 120928-09-8, Fenazaquin 121451-02-3, Noviflumuron 122453-73-0, Chlorfenapyr 123312-89-0, Pymetrozine 129558-76-5, Tolfenpyrad 134098-61-6, Fenpyroximate 135410-20-7, Acetamiprid 138261-41-3, Imidacloprid 139968-49-3, Metaflumizone 140163-89-9 143807-66-3, Chromafenozide 148477-71-8, Spirodiclofen 149877-41-8, Bifenazate 150824-47-8, Nitenpyram 153233-91-1, Etoxazole 153719-23-4, Thiamethoxam 158062-67-0, Flonicamid 161050-58-4, Methoxyfenozide 165252-70-0, Dinotefuran 168316-95-8, Spinosad 170015-32-4, Flufenerim 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl 181587-01-9, Ethiprole 201593-84-2 203313-25-1, Spirotetramat 209861-58-5, Acetoprole 210880-92-5, Clothianidin 223419-20-3, Profluthrin 240494-70-6, Metofluthrin 271241-14-6, Dimefluthrin 272451-65-7, Flubendiamide 283594-90-1, Spiromesifen 315208-17-4, Pyrafluprole 337458-27-2, Pyrifluquinazon 394730-71-3, Pyriprole 400882-07-7, Cyflumetofen 500008-45-7, Chlorantraniliprole 935545-74-7, Spinetoram

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(pyrazoline compds. useful in controlling invertebrate pests)

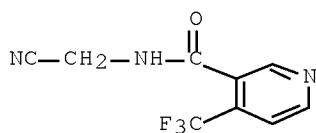
IT 158062-67-0, Flonicamid 203313-25-1, Spirotetramat 500008-45-7, Chlorantraniliprole

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(pyrazoline compds. useful in controlling invertebrate pests)

RN 158062-67-0 HCAPLUS

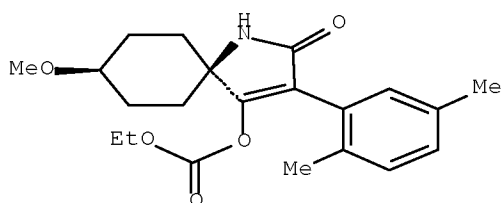
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 203313-25-1 HCAPLUS

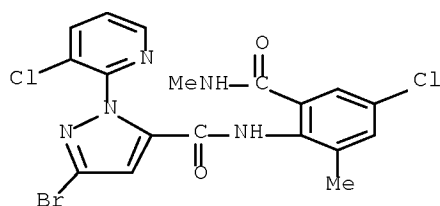
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 19 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:1117821 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 147:399916

TITLE: Synergistic insecticidal and acaricidal compositions

INVENTOR(S): Hungenberg, Heike; Jeschke, Peter; Fischer, Ruediger; Velten, Robert; Schenke, Thomas; Andersch, Wolfram; Thielert, Wolfgang

PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany

SOURCE: Ger. Offen., 19pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

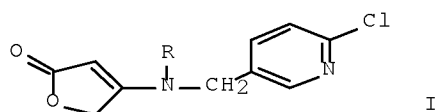
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102006014482	A1	20071004	DE 2006-102006014482	20060329
WO 2007112847	A2	20071011	WO 2007-EP2394	20070319

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: DE 2006-102006014482A 20060329  
GI



AB Compns. comprising I (R = Me or cyclopropyl) and at least one addnl. known insecticide, such as benzodicarboxylic acids, macrolides, diacylhydrazines, carboxylates or others, are synergistic insecticides and acaricides.

CC 5-4 (Agrochemical Bioregulators)

IT Acaricides  
Insecticides  
(synergistic insecticidal and acaricidal compns.)

IT 950521-89-8 950521-90-1 950522-12-0 950522-13-1 950998-32-0  
950998-33-1 950998-34-2 950998-35-3 950998-36-4 950998-37-5  
950998-38-6 950998-39-7 950998-40-0 950998-41-1  
950998-42-2 950998-43-3 950998-44-4 950998-45-5  
950998-46-6 950998-47-7 950998-48-8 950998-49-9 950998-50-2  
950998-51-3 950998-52-4 950998-53-5

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic insecticidal and acaricidal composition)

IT 950998-40-0 950998-42-2 950998-51-3  
950998-53-5

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic insecticidal and acaricidal composition)

RN 950998-40-0 HCAPLUS

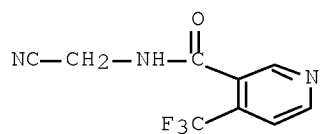
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
4-[[ (6-chloro-3-pyridinyl)methyl]methylamino]-2(5H)-furanone (CA INDEX  
NAME)

CM 1

CRN 158062-67-0

CMF C9 H6 F3 N3 O

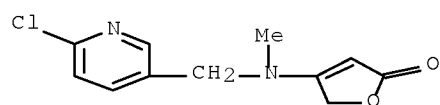




CM 2

CRN 141453-42-1

CMF C11 H11 Cl N2 O2



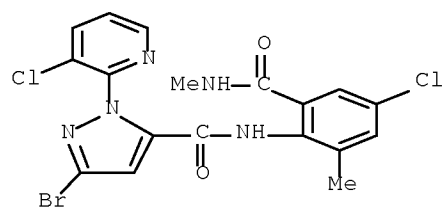
RN 950998-42-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
4-[[[(6-chloro-3-pyridinyl)methyl]methylamino]-2(5H)-furanone (CA INDEX  
NAME)

CM 1

CRN 500008-45-7

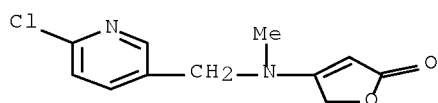
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 141453-42-1

CMF C11 H11 Cl N2 O2



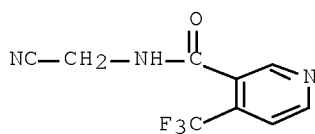
RN 950998-51-3 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
4-[[ (6-chloro-3-pyridinyl)methyl]cyclopropylamino]-2(5H)-furanone (CA  
INDEX NAME)

CM 1

CRN 158062-67-0

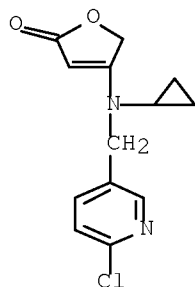
CMF C9 H6 F3 N3 O



CM 2

CRN 141453-45-4

CMF C13 H13 Cl N2 O2



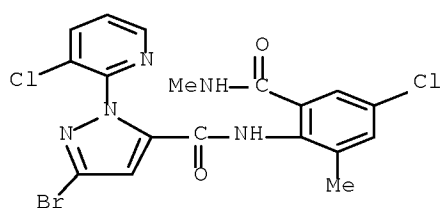
RN 950998-53-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
4-[[ (6-chloro-3-pyridinyl)methyl]cyclopropylamino]-2(5H)-furanone (CA  
INDEX NAME)

CM 1

CRN 500008-45-7

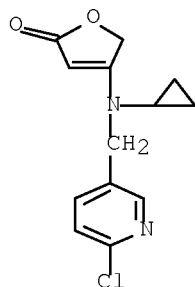
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 141453-45-4

CMF C13 H13 Cl N2 O2



L30 ANSWER 20 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:1030357 HCAPLUS Full-text

DOCUMENT NUMBER: 147:337734

TITLE: Insecticidal mixtures containing phthalamide derivatives

INVENTOR(S): Fischer, Ruediger; Funke, Christian; Hungenberg, Heike; Thielert, Wolfgang; Kraus, Anton; Kodama, Hiroshi; Tamura, Shingo; Hakuno, Fumiaki

PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany

SOURCE: PCT Int. Appl., 43pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

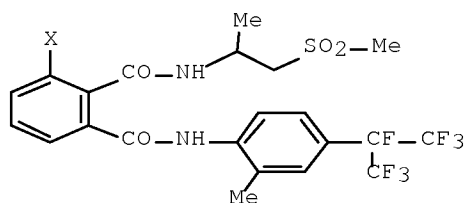
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007101540	A1	20070913	WO 2007-EP1458	20070221
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RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,  
 TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

DE 102006015197 A1 20070913 DE 2006-102006015197 20060401  
 PRIORITY APPLN. INFO.: DE 2006-102006010200A 20060306  
 DE 2006-102006015197A 20060401

GI



AB Novel mixts. with excellent insecticidal and acaricidal properties contain  $\geq 1$  (R)- or (S)-isomer of a phthalamide (I; where X = Cl, Br, or I) and  $\geq 1$  other active ingredient. Thus, (S)-3-chloro-N1-(2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl)-N2-(1-methyl-2-methylsulfonyl)ethylphthalamide + emamectin-benzoate at 0.8 + 0.032 ppm synergistically controlled *Phaedon cochleariae* larvae on cabbage leaves.

CC 5-4 (Agrochemical Bioregulators)

IT Acaricides

Insecticides

(mixts. containing phthalamide derivs. as)

IT 71751-41-2D, Abamectin, mixts. with phthalamide derivs. 112410-23-8D, Tebufenozide, mixts. with phthalamide derivs. 120068-37-3D, Fipronil, mixts. with phthalamide derivs. 122453-73-0D, Chlorfenapyr, mixts. with phthalamide derivs. 143807-66-3D, Chromafenozide, mixts. with phthalamide derivs. 155569-91-8D, Emamectin-benzoate, mixts. with phthalamide derivs. 158062-67-0D, Flonicamid, mixts. with phthalamide derivs. 161050-58-4D, Methoxyfenozide, mixts. with phthalamide derivs. 168316-95-8D, Spinosad, mixts. with phthalamide derivs. 173584-44-6D, Indoxacarb, mixts. with phthalamide derivs. 181587-01-9D, Ethiprole, mixts. with phthalamide derivs. 272451-65-7D, Flubendiamide, mixts. with phthalamide derivs. 500008-45-7D, mixts. with phthalamide derivs. 877072-50-9D, mixts. containing 877073-07-9D, mixts. containing 877073-10-4D, mixts. containing 938066-37-6D, mixts. containing 938066-38-7D, mixts. containing 938066-39-8D, mixts. containing

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(as synergistic insecticides and acaricides)

IT 158062-67-0D, Flonicamid, mixts. with phthalamide derivs. 500008-45-7D, mixts. with phthalamide derivs.

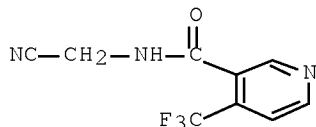
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL

(Biological study); USES (Uses)

(as synergistic insecticides and acaricides)

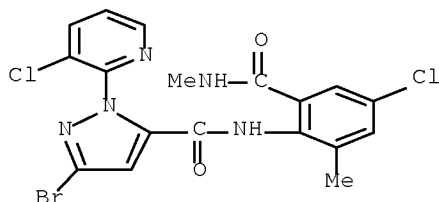
RN 158062-67-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 21 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:874471 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 147:257765

TITLE: Fluoroalkenyl derivatives as insecticides and nematocides and their preparation and use in combination with other biological active agents

INVENTOR(S): Hu, Yulin; Reed, Earl William; Song, Ying

PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, USA

SOURCE: PCT Int. Appl., 96pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007089455	A1	20070809	WO 2007-US1457	20070118
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,				

TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

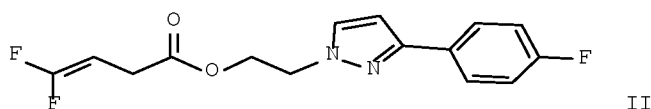
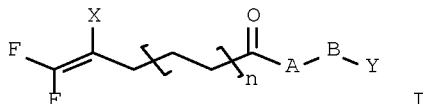
US 2006-762643P

P 20060127

OTHER SOURCE(S):

MARPAT 147:257765

GI



AB Disclosed are compds. of formula I, including all geometric and stereoisomers, N-oxides, and salts thereof. Also disclosed are compns. containing the compds. of formula I and methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biol. effective amount of a compound or a composition of the invention, said composition optionally further comprising a biol. effective amount of at least one addnl. biol. active compound or agent. Compds. of formula I wherein X is H, F, and Cl-4 (halo)alkyl; A is O, S and NH and derivs.; B is Cl-4 alkylene; Y is (un)substituted 5- to 6-membered heteroarom. ring and (un)substituted 8- to 10-membered fused aromatic heterobicyclic ring, and (OCH<sub>2</sub>CH<sub>2</sub>)<sub>1-5</sub>OH and derivs.; n is 0, 1 and 2; and their N-oxides and salts thereof, are claimed. Example compound II was prepared by alkylation of 2-(4-fluorophenyl)-1H-pyrazole with Et bromoacetate; the resulting Et 3-(4-fluorophenyl)-1H-pyrazole-1-acetate underwent reduction to give 3-(4-fluorophenyl)-1H-pyrazole-1-ethanol, which underwent esterification with 4,4-difluoro-2-butenic acid to give compound II. All the invention compds. were evaluated for their insecticidal and nematocidal activity.

CC 28-8 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s): 5

IT Insecticides

(genetically modified viral; preparation of fluoroakenyl derivs. as insecticides and nematocides useful alone or in combination with other biol. active agents)

IT Insecticides

(natural viral; preparation of fluoroakenyl derivs. as insecticides and nematocides useful alone or in combination with other biol. active agents)

IT Acari

Acaricides

Adhesives

Aphis gossypii

Araneae

Attractants

Bacillus thuringiensis aizawai  
 Bacillus thuringiensis kurstaki  
 Baculoviridae  
 Bemisia tabaci  
 Blattaria  
 Coating materials  
 Culicidae  
 Empoasca fabae  
 Films  
 Food  
 Formicidae  
 Frankliniella occidentalis  
 Gnat  
 Humectants  
     Insecticides  
 Invertebrata  
 Isoptera  
 Meloidogyne incognita  
 Myzus persicae  
 Nematocides  
 Nucleopolyhedrovirus  
 Peregrinus maidis  
 Plutella xylostella  
 Propellants (sprays and foams)  
 Simuliidae  
 Soils  
 Stomoxys calcitrans  
 Surfactants  
 Tabanidae  
 Trapping apparatus  
 Vespa  
 Vespula  
 Wasp

(preparation of fluoroakenyl derivs. as insecticides and nematicides useful  
 alone or in combination with other biol. active agents)

IT 52-68-6, Trichlorfon 56-38-2, Parathion 60-51-5, Dimethoate 60-57-1,  
 Dieldrin 72-43-5, Methoxychlor 83-79-4, Rotenone 86-50-0,  
 Azinphos-methyl 108-62-3, Metaldehyde 115-29-7, Endosulfan 115-32-2,  
 Dicofol 116-06-3, Aldicarb 121-75-5, Malathion 298-00-0,  
 Parathion-methyl 298-02-2, Phorate 333-41-5, Diazinon 510-15-6,  
 Chlorobenzilate 732-11-6, Phosmet 944-22-9, Fonophos 950-37-8,  
 Methidathion 1563-66-2, Carbofuran 1631-58-9D, Nereistoxin, analogs  
 2227-17-0, Dienochlor 2310-17-0, Phosalone 2312-35-8, Propargite  
 2439-01-2, Chinomethionat 2921-88-2, Chlorpyrifos 5598-13-0,  
 Chlorpyrifos-methyl 6923-22-4, Monocrotophos 10265-92-6, Methamidophos  
 11141-17-6, Azadirachtin 13071-79-9, Terbufos 13121-70-5, Cyhexatin  
 13171-21-6, Phosphamidon 13356-08-6, Fenbutatin oxide 15263-53-3,  
 Cartap 15662-33-6, Ryanodine 16752-77-5, Methomyl 22224-92-6,  
 Fenamiphos 22248-79-9, Tetrachlorvinphos 23103-98-2, Pirimicarb  
 23135-22-0, Oxamyl 25311-71-1, Isofenphos 30560-19-1, Acephate  
 33089-61-1, Amitraz 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos  
 39515-41-8, Fenpropathrin 40596-69-8, Methoprene 41198-08-7,  
 Profenofos 51630-58-1, Fenvalerate 52207-48-4, Thiosultap-sodium  
 52315-07-8, Zeta-cypermethrin 52645-53-1, Permethrin 52918-63-5,  
 Deltamethrin 58842-20-9, Nithiazine 59669-26-0, Thiodicarb  
 62850-32-2, Fenothiocarb 63837-33-2, Diofenolan 64628-44-0,  
 Triflumuron 66215-27-8, Cyromazine 66230-04-4, Esfenvalerate  
 66841-25-6, Tralomethrin 67375-30-8, Alpha-cypermethrin 67485-29-4,  
 Hydramethylnon 68085-85-8, Cyhalothrin 68359-37-5, Beta-cyfluthrin  
 69327-76-0, Buprofezin 70124-77-5, Flucythrinate 71422-67-8,

Chlorfluazuron 71751-41-2, Abamectin 72490-01-8, Fenoxycarb  
 73989-17-0, Avermectin 76703-62-3, Gamma-cyhalothrin 78587-05-0,  
 Hexythiazox 79538-32-2, Tefluthrin 80060-09-9, Diafenthiuron  
 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 84466-05-7,  
 Amidoflumet 86479-06-3, Hexaflumuron 95737-68-1, Pyriproxyfen  
 96489-71-3, Pyridaben 101463-69-8, Flufenoxuron 102851-06-9,  
 Tau-fluvalinate 103055-07-8, Lufenuron 111988-49-9, Thiachloprid  
 112143-82-5, Triazamate 112226-61-6, Halofenozide 112410-23-8,  
 Tebufenozide 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad  
 119544-94-4, Protrifenbute 119791-41-2, Emamectin 120068-37-3,  
 Fipronil 120928-09-8, Fenazaquin 121451-02-3, Noviflumuron  
 122453-73-0, Chlorfenapyr 123312-89-0, Pymetrozine 129558-76-5,  
 Tolfenpyrad 134098-61-6, Fenpyroximate 135410-20-7, Acetamiprid  
 138261-41-3, Imidacloprid 139968-49-3, Metaflumizone 140163-89-9  
 143807-66-3, Chromafenozide 148477-71-8, Spirodiclofen 149877-41-8,  
 Bifenazate 150824-47-8, Nitenpyram 153233-91-1, Etoxazole  
 153719-23-4, Thiamethoxam 155569-91-8, Emamectin benzoate  
 158062-67-0, Flonicamid 161050-58-4, Methoxyfenozide  
 165252-70-0, Dinotefuran 168316-95-8, Spinosad 170015-32-4, Flufenerim  
 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl 181587-01-9, Ethiprole  
 203313-25-1, Spirotetramat 209861-58-5, Acetoprole  
 210880-92-5, Clothianidin 223419-20-3, Profluthrin 240494-70-6,  
 Metofluthrin 271241-14-6, Dimefluthrin 272451-65-7, Flubendiamide  
 283594-90-1, Spiromesifen 315208-17-4, Pyrafluprole 337458-27-2,  
 Pyrifluquinazon 394730-71-3, Pyriprole 400882-07-7, Cyflumetofen  
 500008-45-7, Chlorantraniliprole 935545-74-7, Spinetoram  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(preparation of fluoroakenyl derivs. as insecticides and nematicides useful  
 alone or in combination with other biol. active agents)

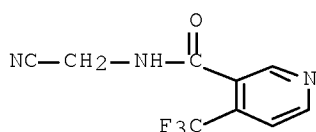
IT 158062-67-0, Flonicamid 203313-25-1, Spirotetramat  
 500008-45-7, Chlorantraniliprole

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(preparation of fluoroakenyl derivs. as insecticides and nematicides useful  
 alone or in combination with other biol. active agents)

RN 158062-67-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX  
 NAME)

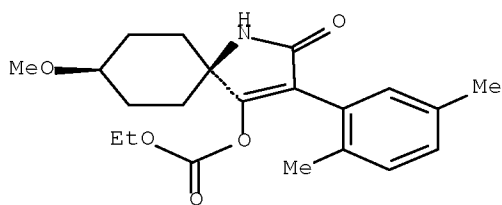


RN 203313-25-1 HCAPLUS

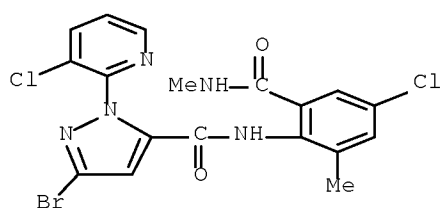
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-  
 azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.





RN 500008-45-7 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

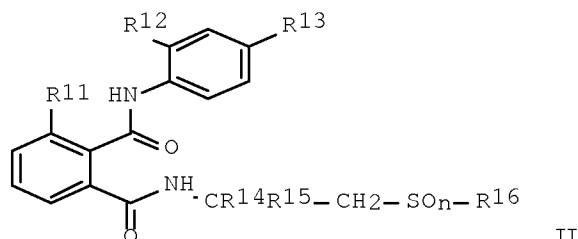
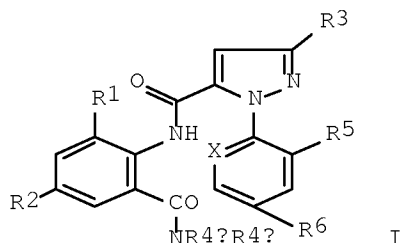
L30 ANSWER 22 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:790180 HCAPLUS Full-text  
 DOCUMENT NUMBER: 147:159933  
 TITLE: Suspension concentrates of carboxamide insecticides  
 and acaricides  
 INVENTOR(S): Gutsche, Oliver Walter; Annan, Isaac Billy; Portillo,  
 Hector Eduardo  
 PATENT ASSIGNEE(S): E. I. Du Pont De Nemours and Company, USA  
 SOURCE: PCT Int. Appl., 42pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007081553	A2	20070719	WO 2006-US49315	20061227
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,				

KG, KZ, MD, RU, TJ, TM  
 AU 2006335092 A1 20070719  
 PRIORITY APPLN. INFO.:

AU 2006-335092 20061227  
 US 2006-756377P P 20060105  
 US 2006-855606P P 20061031  
 US 2006-858296P P 20061110  
 WO 2006-US49315 W 20061227

OTHER SOURCE(S): MARPAT 147:159933  
 GI



AB Disclosed are suspension concs. comprising by weight based on the total weight of the composition, about 0.1 to about 40% of at least one carboxamide insecticide and acaricide; 0 to about 20% of at least one other biol. active agent; about 30 to about 95% of at least one water-immiscible liquid carrier; about 2 to about 50% of at least one emulsifier; about 0.01 to about 10% of a silica thickener; about 0.1 to about 10% of at least one protic solvent selected from water, C1-C12 alkanol and C2-C3 glycol; and about 0.001 to about 5% of at least one water-soluble carboxylic acid. The carboxamides are anthranilamides I (X = N, CF, CCl, CBr or CI; R1 = Me, Cl, Br or I; R2 = H, F, Cl, Br or CN; R3 = F, Cl, Br,, haloalkoxy or haloalkyl; R4a = H, alkyl, cyclopropylmethyl or 1-cyclopropylethyl; R4b = H or Me; R5, R6 = H, F, Cl or Br) or a phthalic diamide II (R11 = Me, Cl, Br or I; R12 = Me or Cl; R13 = fluoroalkyl; R14, R15 = H or Me; R16 = Me or Et; n = 1 or 2).

CC 5-4 (Agrochemical Bioregulators)

IT Acaricides

Insecticides

Pesticide formulations

(suspension concs. of carboxamide insecticides and acaricides)

IT 60-57-1, Dieldrin 115-29-7, Endosulfan 2921-88-2, Chlorpyrifos 11141-17-6, Azadirachtin 15263-53-3, Cartap 15662-33-6, Ryanodine 16752-77-5, Methomyl 23135-22-0, Oxamyl 33089-61-1, Amitraz 40596-69-8, Methoprene 51630-58-1, Fenvalerate 52207-48-4, Thiosultapsodium 52315-07-8, Cypermethrin 52918-63-5, Deltamethrin 58842-20-9, Nithiazine 59669-26-0, Thiodicarb 63837-33-2, Diofenolan 64628-44-0, Triflumuron 66215-27-8, Cyromazine 66230-04-4,

Esfenvalerate 66841-25-6, Tralomethrin 67485-29-4, Hydramethylnon  
 68085-85-8, Cyhalothrin 68359-37-5, Betacyfluthrin 69327-76-0,  
 Buprofezin 71751-41-2, Abamectin 72490-01-8, Fenoxycarb 73989-17-0,  
 Avermectin 82657-04-3, Bifenthrin 86479-06-3, Hexaflumuron  
 95737-68-1, Pyriproxyfen 96489-71-3, Pyridaben 101463-69-8,  
 Flufenoxuron 103055-07-8, Lufenuron 111988-49-9, Thiacloprid  
 112143-82-5, Triazamate 112410-23-8, Tebufenozide 116714-46-6,  
 Novaluron 119791-41-2, Emamectin 120068-37-3, Fipronil 122453-73-0,  
 Chlorfenapyr 123312-89-0, Pymetrozine 135410-20-7, Acetamiprid  
 138261-41-3, Imidacloprid 139968-49-3, Metaflumizone 148477-71-8,  
 Spirodiclofen 150824-47-8, Nitenpyram 153719-23-4, Thiamethoxam  
 158062-67-0, Flonicamid 161050-58-4, Methoxyfenozide  
 165252-70-0, Dinotefuran 168316-95-8, Spinosad 173584-44-6, Indoxacarb  
 179101-81-6, Pyridalyl 181587-01-9, Ethiprole 210880-92-5,  
 Clothianidin 283594-90-1, Spiromesifen 935545-74-7, Spinetoram  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(insecticidal and acaricidal suspension concentrate containing a  
 carboxamide and)

IT 500008-45-7

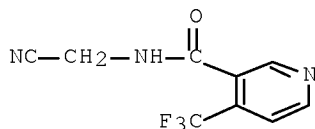
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (suspension concs. of carboxamide insecticides and acaricides)

IT 158062-67-0, Flonicamid

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (insecticidal and acaricidal suspension concentrate containing a  
 carboxamide and)

RN 158062-67-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX  
 NAME)

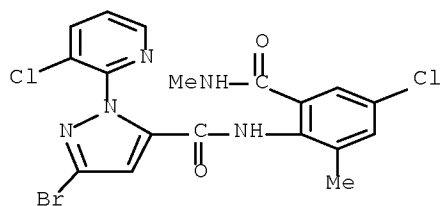


IT 500008-45-7

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (suspension concs. of carboxamide insecticides and acaricides)

RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 23 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:755410 HCAPLUS Full-text  
 DOCUMENT NUMBER: 147:166307  
 TITLE: Preparation of isoxazolines for controlling  
 invertebrate pests  
 INVENTOR(S): Lahm, George Philip; Shoop, Wesley Lawrence; Xu, Ming  
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, USA  
 SOURCE: PCT Int. Appl., 122pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007079162	A1	20070712	WO 2006-US49459	20061228
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
AU 2006332749	A1	20070712	AU 2006-332749	20061228
IN 2008DN04364	A	20080815	IN 2008-DN4364	20080522
PRIORITY APPLN. INFO.:			US 2005-755247P	P 20051230
			US 2006-839988P	P 20060823
			US 2006-857307P	P 20061107
			WO 2006-US49459	W 20061228
OTHER SOURCE(S):	MARPAT 147:166307			
GI				

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Isoxazoline derivs. I [A, B, D, E, F, G = CR<sub>3</sub>, N; J, K, L = CR<sub>2</sub>, N; T = (R<sub>2</sub>)<sub>n</sub>; W = O, S; R<sub>1</sub> = C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>4</sub>-C<sub>7</sub> alkylcycloalkyl, C<sub>4</sub>-C<sub>7</sub> cycloalkylalkyl; R<sub>2</sub> = H, halo, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> (halo)alkoxy, C<sub>1</sub>-C<sub>6</sub> alkylsulfonyl, etc.; R<sub>3</sub> = H, halo, C<sub>1</sub>-C<sub>6</sub> (halo)alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkylsulfinyl, C<sub>2</sub>-C<sub>6</sub> dialkylamino, etc.; R<sub>4</sub> = H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>7</sub> alkylcarbonyl, etc.; R<sub>5</sub> = H, OR<sub>10</sub>, NR<sub>11</sub>R<sub>12</sub>, C<sub>2</sub>-C<sub>6</sub> alkenyl, etc.; R<sub>4</sub>R<sub>5</sub> = 2-6 membered ring with attached N; R<sub>10</sub> = H, C<sub>1</sub>-C<sub>6</sub> (halo)alkyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>4</sub>-C<sub>7</sub> alkylcycloalkyl, C<sub>4</sub>-C<sub>7</sub> cycloalkylalkyl; R<sub>11</sub>R<sub>12</sub> = 2-6 membered ring with attached N] were prepared For example, 4-bromo-1-naphthalenecarboxaldehyde was converted to the oxime which reacted with 1,3-dichloro-5-[1-(trifluoromethyl)ethenyl]benzene to give isoxazole II. II was reacted with 2-(aminomethyl)pyridine to give isoxazolyl naphthalenecarboxamide III as one of the desired title compds. Also disclosed are compns. containing I and methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biol. effective amount of a compound or a composition of the invention.

CC 28-6 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s): 5

- IT Insecticides  
(baits; preparation of isoxazoline derivs. for controlling invertebrate pests)
- IT Empoasca fabae  
Insecticides  
Oral drug delivery systems  
Parasitocides  
Pesticides  
Pharmaceutical liquids  
Plutella xylostella  
Spodoptera frugiperda  
Trapping apparatus  
(preparation of isoxazoline derivs. for controlling invertebrate pests)
- IT 52-68-6, Trichlorfon 56-38-2, Parathion 60-51-5, Dimethoate 60-57-1, Dieldrin 72-43-5, Methoxychlor 83-79-4, Rotenone 86-50-0, Azinphos-methyl 108-62-3, Metaldehyde 115-29-7, Endosulfan 115-32-2, Dicofof 116-06-3, Aldicarb 121-75-5, Malathion 298-00-0, Parathion-methyl 298-02-2, Phorate 333-41-5, Diazinon 510-15-6, Chlorobenzilate 732-11-6, Phosmet 944-22-9, Fonophos 950-37-8, Methidathion 1563-66-2, Carbofuran 2227-17-0, Dienochlor 2310-17-0, Phosalone 2312-35-8, Propargite 2439-01-2, Chinomethionat 2921-88-2, Chlorpyrifos 5598-13-0, Chlorpyrifos-methyl 6923-22-4, Monocrotophos 10265-92-6, Methamidophos 11141-17-6, Azadirachtin 13071-79-9, Terbufos 13121-70-5, Cyhexatin 13171-21-6, Phosphamidon 13356-08-6, Fenbutatin oxide 15263-53-3, Cartap 15662-33-6, Ryanodine 16752-77-5, Methomyl 22224-92-6, Fenamiphos 22248-79-9, Tetrachlorvinphos 23103-98-2, Pirimicarb 23135-22-0, Oxamyl 25311-71-1, Isofenphos 30560-19-1, Acephate 33089-61-1, Amitraz 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos 39515-41-8, Fenpropathrin 40596-69-8, Methoprene 41198-08-7, Profenofos 51630-58-1, Fenvalerate 52207-48-4, Thiosultap-sodium 52315-07-8, Cypermethrin 52645-53-1, Permethrin 52918-63-5, Deltamethrin 58842-20-9, Nithiazine 59669-26-0, Thiodicarb 62850-32-2, Fenothiocarb 63837-33-2, Diofenolan 64628-44-0, Triflumuron 66215-27-8, Cyromazine 66230-04-4, Esfenvalerate 66841-25-6, Tralomethrin 67485-29-4, Hydramethylnon 68085-85-8, Cyhalothrin 68359-37-5, Cyfluthrin 69327-76-0, Buprofezin 70124-77-5, Flucythrinate 71422-67-8, Chlorfluazuron 71751-41-2, Abamectin 72490-01-8, Fenoxycarb 73989-17-0, Avermectin 76703-62-3 78587-05-0, Hexythiazox 79538-32-2, Tefluthrin 80060-09-9, Diafenthion 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 84466-05-7, Amidoflumet 86479-06-3, Hexaflumuron 91465-08-6,  $\lambda$ -Cyhalothrin 95737-68-1, Pyriproxyfen 96489-71-3, Pyridaben 101463-69-8, Flufenoxuron 102851-06-9, Tau-fluvalinate 103055-07-8, Lufenuron 111988-49-9, Thiachloprid 112143-82-5, Triazamate 112226-61-6, Halofenozide 112410-23-8, Tebufenozide 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad 119544-94-4, Protrifenbute 119791-41-2, Enamectin 120068-37-3, Fipronil 120928-09-8, Fenazaquin 121451-02-3, Noviflumuron 122453-73-0, Chlorfenapyr 123312-89-0, Pymetrozine 129558-76-5, Tolfenpyrad 134098-61-6, Fenpyroximate 135410-20-7, Acetamiprid 138261-41-3, Imidacloprid 139968-49-3, Metaflumizone 140163-89-9, Imicyafos 143807-66-3, Chromafenozide 148477-71-8, Spirodiclofen 149877-41-8, Bifenazate 150824-47-8, Nitenpyram 153233-91-1, Etoxazole 153719-23-4, Thiamethoxam 158062-67-0, Flonicamid 161050-58-4, Methoxyfenozide 165252-70-0, Dinotefuran 168316-95-8, Spinosad 170015-32-4, Flufenerim 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl 181587-01-9, Ethiprole 201593-84-2, Bistrifluron 203313-25-1, Spirotetramat 209861-58-5, Acetoprole 210880-92-5, Clothianidin 223419-20-3, Profluthrin

240494-70-6, Metofluthrin 271241-14-6, Dimefluthrin 272451-65-7,  
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 394730-71-3, Pyriprole 400882-07-7, Cyflumetofen 500008-45-7,  
 Chlorantraniliprole 935545-74-7, Spinetoram

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(biol. active additive; preparation of isoxazoline derivs. for controlling  
 invertebrate pests)

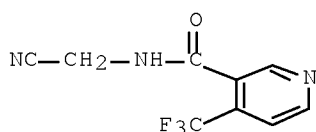
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RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(biol. active additive; preparation of isoxazoline derivs. for controlling  
 invertebrate pests)

RN 158062-67-0 HCAPLUS

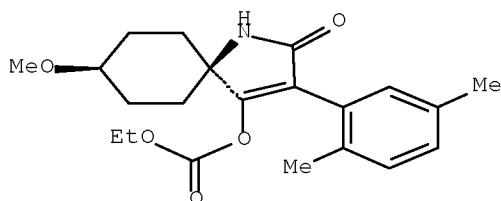
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX  
 NAME)



RN 203313-25-1 HCAPLUS

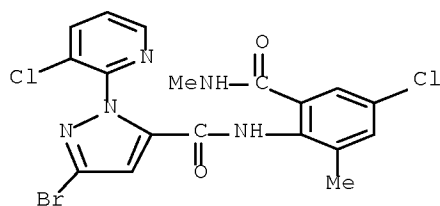
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-  
 azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 24 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:88339 HCAPLUS Full-text

DOCUMENT NUMBER: 146:178834

TITLE: Synergistic pesticidal mixtures with  
nitrogen-containing component

INVENTOR(S): Hughes, David John; Peace, James Edward; Riley,  
Suzanna; Russell, Sally; Swanborough, Joseph John;  
Jeanguenat, Andre; Renold, Peter; Hall, Roger Graham;  
Loiseleur, Olivier; Trah, Stephan; Wenger, Jean  
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.; Syngenta  
Limited

SOURCE: PCT Int. Appl., 261pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

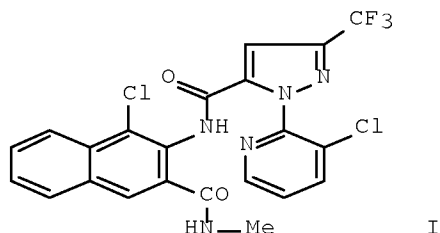
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2007009661	A2	20070125	WO 2006-EP6866	20060713
WO 2007009661	A3	20070329		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,  
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,  
GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,  
KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,  
MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU,  
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GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: GB 2005-14652 A 20050715

OTHER SOURCE(S): MARPAT 146:178834

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AB Pesticidal compns. comprise mixts. consisting of N-containing compds. (e.g.,  
I) and  $\geq 1$  compound selected from acaricides, anthelmintics, avicides,

bactericides, biol. agents, chemosterilants, insect repellents, insecticides, etc. The compns. are applied to pests or their environment for controlling insects or representatives of the order Acarina. Also claimed is plant propagation material treated with such a composition and treatment of the site where the propagation material is planted. Thus, young soybean plants were sprayed with an aqueous emulsion comprising 400 ppm of active ingredient mixture of the invention, populated with 10 *Spodoptera littoralis* caterpillars (in the third stage), then placed in a container. Evaluation after 3 days showed that the mixture exhibited good activity.

IC ICM C12N

CC 5-4 (Agrochemical Bioregulators)

IT Acaricides

Insecticides

(mixts. containing pesticides such as pyrazolecarboxamides as)

IT Insecticides

(sterilants; synergistic pesticidal mixts. with nitrogen-containing component and)

IT 163269-30-5D, Bethoxazin, mixts. containing 165252-70-0D, Dinotefuran, mixts. containing 168316-95-8D, Spinosad, mixts. containing 170015-32-4D, Flufenimer, mixts. containing 175013-18-0D, Pyraclostrobin, mixts.

containing

178928-70-6D, Prothioconazole, mixts. containing 179101-81-6D, Pyridalyl, mixts. containing 180409-60-3D, Cyflufenamid, mixts. containing 181587-01-

9D,

Ethiprole, mixts. containing 183675-82-3D, Penthiopyrad, mixts. containing 185676-84-0D, MB 599, mixts. containing 188425-85-6D, Boscalid, mixts. containing 189278-12-4D, Proquinazid, mixts. containing 203313-25-1D, Spirotetramat, mixts. containing 209861-58-5D, Acetoprole, mixts. containing 214706-53-3D, mixts. containing 220119-17-5D, Selamectin, mixts. containing 220899-03-6D, Metrafenone, mixts. containing 223419-20-3D, Profluthrin, mixts. containing 223580-51-6D, Tiadinil, mixts. containing 229977-93-9D, Fluacrypyrim, mixts. containing 239110-15-7D, Fluopicolide, mixts.

containing

240494-70-6D, Metofluthrin, mixts. containing 248593-16-0D, Orysastrobin, mixts. containing 271241-14-6D, Dimefluthrin, mixts. containing 272451-65-

7D,

Flubendiamide, mixts. containing 283594-90-1D, Spiromesifen, mixts.

containing

361377-29-9D, Fluoxastrobin, mixts. containing 374704-75-3D, mixts.

containing

374726-62-2D, Mandipropamid, mixts. containing 400882-07-7D, Cyflumetofen, mixts. containing 413615-35-7D, Benthiavalicarb, mixts. containing 500008-45-7D, DKI 0001, mixts. containing 599194-50-0D, mixts. containing 599194-51-1D, mixts. containing 599194-92-0D, mixts. containing 599194-93-1D, mixts. containing 599197-38-3D, mixts. containing 599197-44-

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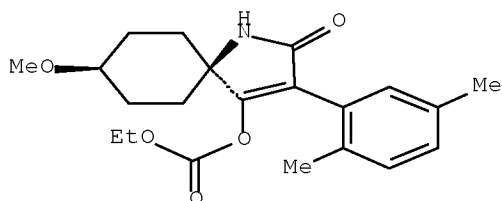
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 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (as synergistic pesticides)

IT 203313-25-1D, Spirotetramat, mixts. containing 500008-45-7D, DKI 0001, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (as synergistic pesticides)

RN 203313-25-1 HCAPLUS

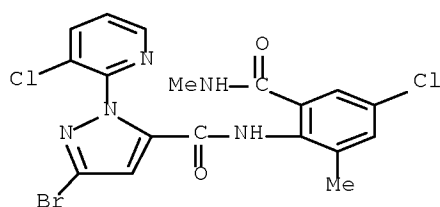
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



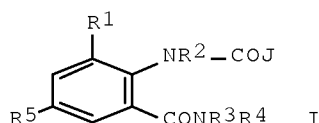
RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 25 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2006:496102 HCAPLUS Full-text  
 DOCUMENT NUMBER: 144:462625  
 TITLE: Preparation of anthranilamide derivative insecticides and acaricides  
 INVENTOR(S): Lahm, George Philip; Selby, Thomas Paul; Stevenson, Thomas Martin; Taggi, Andrew Edmund; Berezna, James Francis  
 PATENT ASSIGNEE(S): E.I. Dupont De Nemours and Co., USA  
 SOURCE: PCT Int. Appl., 97 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006055922	A2	20060526	WO 2005-US42196	20051118
WO 2006055922	A3	20061221		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2005306363	A1	20060526	AU 2005-306363	20051118
CA 2585378	A1	20060526	CA 2005-2585378	20051118
EP 1812421	A2	20070801	EP 2005-851952	20051118
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
CN 101061103	A	20071024	CN 2005-80039548	20051118
JP 2008520724	T	20080619	JP 2007-543368	20051118
IN 2007DN03224	A	20070831	IN 2007-DN3224	20070430
KR 2007086280	A	20070827	KR 2007-713584	20070615
PRIORITY APPLN. INFO.:			US 2004-629120P	P 20041118
			US 2005-689414P	P 20050610
			WO 2005-US42196	W 20051118
OTHER SOURCE(S):			MARPAT 144:462625	
GI				



AB The anthranilamide derivs. I and their geometric and stereoisomers, N-oxides, and salts [J = (un)substituted Ph or N-containing heterocyclyl; R1 = alkyl alkenyl, alkynyl, etc.; R2 = alkylcarbonyl, alkoxy carbonyl or (di)alkylaminocarbonyl; R3 = (cyclo)alkyl, alkenyl, alkynyl, alkoxy, etc. ; R4 = (un)substituted alkylcycloalkyl, alkenylcycloalkyl, alkynylcycloalkyl, cycloalkylalkyl, cycloalkylalkenyl, cycloalkylalkynyl, cycloalkenylalkyl or alkylcycloalkenyl, oxiranylalkyl, thiiranylalkyl, oxetanylalkyl, thietanylalkyl, 3-oxetanyl or 3-thietanyl; R5 = (cyclo)alkyl, haloalkyl, alkenyl alkynyl, etc.] are prepared as pesticides for controlling invertebrate pests, specifically insecticides and acaricides.

IC ICM A01N

CC 5-4 (Agrochemical Bioregulators)

IT Acaricides

Insecticides

(anthranilamide derivs.)

IT 736995-23-6P 882401-50-5P 886583-28-4P 886583-29-5P  
 886583-30-8P 886583-31-9P 886583-32-0P 886583-33-1P  
 886583-34-2P 886583-35-3P 886583-36-4P 886583-37-5P  
 886583-38-6P 886583-39-7P 886583-40-0P 886583-41-1P 886583-42-2P  
 886583-43-3P 886583-44-4P 886583-45-5P 886583-46-6P 886583-47-7P  
 886583-48-8P 886583-49-9P 886583-50-2P 886583-51-3P 886583-52-4P  
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 886583-57-9P 886583-58-0P 886583-59-1P 886583-69-3P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation as insecticide and acaricides)

IT 886583-65-9 886583-66-0 886583-67-1 886583-68-2

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(synergistic insecticide and acaricide)

IT 52-68-6D, mixts. with anthranilamide derivs. 56-38-2D, Parathion, mixts. with anthranilamide derivs. 72-43-5D, Methoxychlor, mixts. with anthranilamide derivs. 86-50-0D, Azinphosmethyl, mixts. with anthranilamide derivs. 108-62-3D, Metaldehyde, mixts. with anthranilamide derivs. 115-29-7D, Endosulfan, mixts. with anthranilamide derivs. 115-32-2D, Dicofol, mixts. with anthranilamide derivs. 116-06-3D, Aldicarb, mixts. with anthranilamide derivs. 121-75-5D, mixts. with anthranilamide derivs. 298-00-0D, Parathionmethyl, mixts. with anthranilamide derivs. 298-02-2D, Phorate, mixts. with anthranilamide derivs. 510-15-6D, Chlorobenzilate, mixts. with anthranilamide derivs. 732-11-6D, Phosmet, mixts. with anthranilamide derivs. 950-37-8D, Methidathion, mixts. with anthranilamide derivs. 1563-66-2D, Carbofuran, mixts. with anthranilamide derivs. 2227-17-0D, Dienochlor, mixts. with anthranilamide derivs. 2310-17-0D, Phosalone, mixts. with anthranilamide derivs. 2312-35-8D, Propargite, mixts. with anthranilamide derivs. 2439-01-2D, Chinomethionat, mixts. with anthranilamide derivs. 2921-88-2D, Chloropyrifos, mixts. with anthranilamide derivs. 5598-13-0D, mixts. with anthranilamide derivs. 6923-22-4D, Monocrotophos, mixts. with anthranilamide derivs. 10265-92-6D, Methamidophos, mixts. with anthranilamide derivs.

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 Cyhexatin, mixts. with anthranilamide derivs. 13171-21-6D, Phosphamidon,  
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 with anthranilamide derivs. 15263-53-3D, Cartap, mixts. with  
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 Methoprene, mixts. with anthranilamide derivs. 41198-08-7D, Profenofos,  
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anthranilamide derivs. 123312-89-0D, Pymetrozine, mixts. with  
anthranilamide derivs. 129558-76-5D, Tolfenpyrad, mixts. with  
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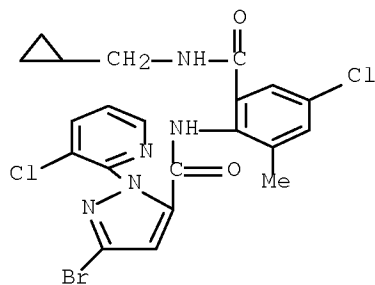
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic insecticides and acaricides)

IT 882401-50-5P 886583-30-8P 886583-34-2P  
886583-54-6P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological  
study); PREP (Preparation); USES (Uses)  
(preparation as insecticide and acaricides)

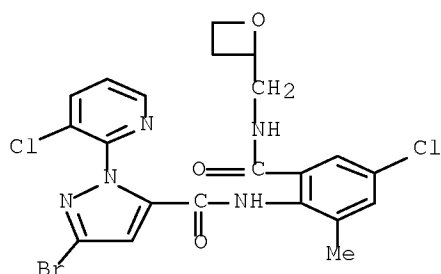
RN 882401-50-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-  
[[ (cyclopropylmethyl) amino] carbonyl]-6-methylphenyl]-1-(3-chloro-2-  
pyridinyl)- (CA INDEX NAME)



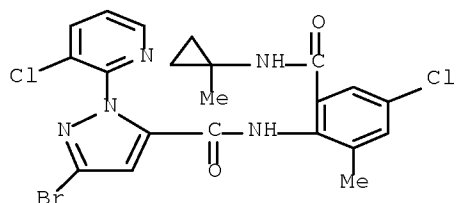
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CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[[ (2-  
oxetanylmethyl) amino] carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX  
NAME)



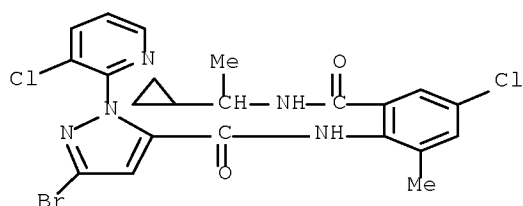
RN 886583-34-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[[1-methylcyclopropyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



RN 886583-54-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-[[1-cyclopropylethyl]amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



IT 886583-65-9 886583-66-0

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic insecticide and acaricide)

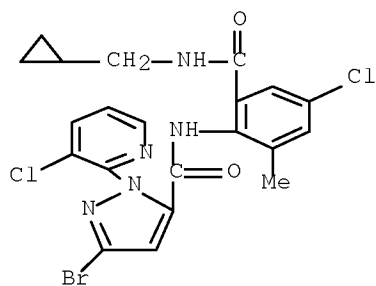
RN 886583-65-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-[[[(cyclopropylmethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with (2E)-1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (9CI) (CA INDEX NAME)

CM 1

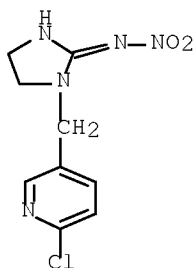


CRN 882401-50-5  
 CMF C21 H18 Br Cl2 N5 O2



CM 2

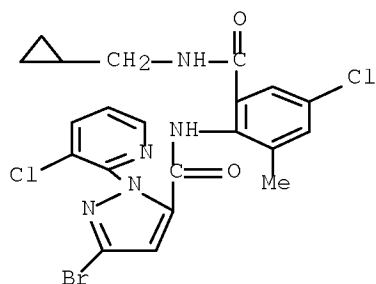
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 CMF C9 H10 Cl N5 O2



RN 886583-66-0 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-  
 [(cyclopropylmethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-  
 pyridinyl)-, mixt. with 3-[(2-chloro-5-thiazolyl)methyl]tetrahydro-5-  
 methyl-N-nitro-4H-1,3,5-oxadiazin-4-imine (9CI) (CA INDEX NAME)

CM 1

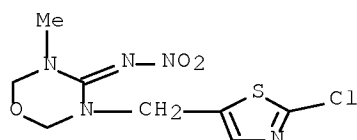
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 CMF C21 H18 Br Cl2 N5 O2



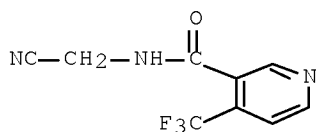
CM 2

CRN 153719-23-4

CMF C8 H10 Cl N5 O3 S



IT 158062-67-0D, Flonicamid, mixts. with anthranilamide derivs.  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic insecticides and acaricides)  
 RN 158062-67-0 HCAPLUS  
 CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX  
 NAME)



L30 ANSWER 26 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2006:193331 HCAPLUS Full-text  
 DOCUMENT NUMBER: 144:274265  
 TITLE: Preparation of novel anthranilamides useful for  
 controlling invertebrate pests  
 INVENTOR(S): Lahm, George Philip  
 PATENT ASSIGNEE(S): E.I. Dupont de Nemours and Company, USA  
 SOURCE: PCT Int. Appl., 87 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2006023783	A1	20060302	WO 2005-US29639	20050817
W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW	
RW:			AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	
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IN 2007DN01000	A	20070803	IN 2007-DN1000	20070206
PRIORITY APPLN. INFO.:			US 2004-602153P	P 20040817
			US 2005-643708P	P 20050113
			WO 2005-US29639	W 20050817
OTHER SOURCE(S):		CASREACT 144:274265; MARPAT 144:274265		
GI				

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

- AB The title compds. I [Q = II-IV; R1 = X-Z-O-R11; X = O, S or NR12; Z = haloalkylene or haloalkenylene; R2 = H, alkyl, haloalkyl, etc.; R3 = H, alkyl, alkenyl, etc.; R4 = H, alkyl, alkenyl, etc.; R5 = OH, alkoxy, alkylamino, etc.; or NR4R5 = ring containing 2-6 carbon atoms and optionally one addnl. atom of N, S or O; R6, R7 = H, alkyl, alkenyl, etc.; W = N, CR2; V = N, CR13; Y = N, CR14; R11 = alkyl, alkenyl, cycloalkyl, etc.; R12 = H, alkyl; R13, R14 = H, alkyl, cycloalkyl, etc.; L = a direct bond or a linking chain of one or more members selected from C, N, O, S, etc.; n = 1-4], were prepared and claimed. E.g., a multi-step synthesis of V, starting from 3-chloro-2-hydrazinopyridine and di-Et maleate, was given. Compound V resulted in at least 80% mortality when tested against fall armyworm (*Spodoptera frugiperda*). Also disclosed are compns. containing the compds. I and methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biol. effective amount of a compound or a composition of the invention.
- CC 28-8 (Heterocyclic Compounds (More Than One Hetero Atom))  
Section cross-reference(s): 5
- IT Insecticides  
(neonicotinoid; preparation of novel anthranilamides useful for controlling invertebrate pests)
- IT Acari  
Araneae  
Attractants  
*Bacillus thuringiensis*

Bacillus thuringiensis aizawai  
 Bacillus thuringiensis kurstaki  
 Baculoviridae  
 Blattaria  
 Culicidae  
 Empoasca fabae  
 Formicidae  
 GABA antagonists  
 Gnat  
 Humectants  
 Insecticides  
 Invertebrata  
 Isoptera  
 Pesticides  
 Propellants (sprays and foams)  
 Simuliidae  
 Soils  
 Spodoptera frugiperda  
 Sprays  
 Stomoxys calcitrans  
 Surfactants  
 Tabanidae  
 Vespa  
 Vespula  
 Wasp

(preparation of novel anthranilamides useful for controlling invertebrate pests)

IT 52-68-6 56-38-2, Parathion 60-51-5, Dimethoate 83-79-4, Rotenone  
 86-50-0, Azinphos-methyl 115-29-7, Endosulfan 115-32-2, Dicofol  
 116-06-3, Aldicarb 121-75-5 298-00-0, Parathion-methyl 298-02-2,  
 Phorate 333-41-5 510-15-6, Chlorobenzilate 732-11-6, Phosmet  
 950-37-8, Methidathion 1563-66-2, Carbofuran 2227-17-0, Dienochlor  
 2310-17-0, Phosalone 2312-35-8, Propargite 2439-01-2, Chinomethionat  
 2921-88-2, Chloropyrifos 5598-13-0 6923-22-4, Monocrotophos  
 10265-92-6, Methamidophos 11141-17-6, Azadirachtin 13071-79-9,  
 Terbufos 13121-70-5, Cyhexatin 13171-21-6, Phosphamidon 13356-08-6,  
 Fenbutatinoxide 16752-77-5, Methomyl 22224-92-6, Fenamiphos  
 22248-79-9 23103-98-2, Pirimicarb 23135-22-0 25311-71-1, Isofenphos  
 30560-19-1, Acephate 33089-61-1, Amitraz 35367-38-5, Diflubenzuron  
 35400-43-2, Sulprofos 37273-91-9, Metaldehyde 39515-41-8,  
 Fenpropathrin 40596-69-8, Methoprene 41198-08-7, Profenofos  
 51630-58-1, Fenvalerate 52207-48-4, Thiosultap-sodium 52315-07-8,  
 Cypermethrin 52645-53-1, Permethrin 52918-63-5, Deltamethrin  
 59669-26-0, Thiodicarb 62850-32-2, Fenothiocarb 63837-33-2, Diofenolan  
 64628-44-0, Triflumuron 66215-27-8, Cyromazine 66230-04-4,  
 Esfenvalerate 66841-25-6, Tralomethrin 68085-85-8, Cyhalothrin  
 68359-37-5, Cyfluthrin 69327-76-0, Buprofezin 70124-77-5,  
 Flucythrinate 71422-67-8, Chlorfluazuron 71751-41-2, Abamectin  
 72490-01-8, Fenoxycarb 73989-17-0, Avermectin 76703-62-3,  
 Gamma-cyhalothrin 78587-05-0, Hexythiazox 79538-32-2, Tefluthrin  
 80060-09-9, Diafenthiuron 82657-04-3, Bifenthrin 83121-18-0,  
 Teflubenzuron 84466-05-7, Amidoflumet 86479-06-3, Hexaflumuron  
 91465-08-6 95737-68-1, Pyriproxyfen 96489-71-3, Pyridaben  
 101463-69-8, Flufenoxuron 102851-06-9, Tau-fluvalinate 103055-07-8,  
 Lufenuron 111988-49-9, Thiacloprid 112226-61-6, Halofenozide  
 112410-23-8, Tebufenozide 114282-89-2 116714-46-6, Novaluron  
 119168-77-3, Tebufenpyrad 119544-94-4, Protrifenbute 119791-41-2,  
 Emamectin 120068-37-3, Fipronil 120928-09-8, Fenazaquin 121451-02-3,  
 Noviflumuron 122453-73-0, Chlorfenapyr 123312-89-0, Pymetrozine  
 129558-76-5, Tolfenpyrad 134098-61-6, Fenpyroximate 135410-20-7,

Acetamiprid 138261-41-3, Imidacloprid 143807-66-3, Chromafenozide  
 149877-41-8, Bifenazate 153233-91-1, Etoxazole 153719-23-4,  
 Thiamethoxam 158062-67-0, Flonicamid 161050-58-4,  
 Methoxyfenozide 165252-70-0, Dinotefuran 168316-95-8, Spinosad  
 170015-32-4, Flufenimer 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl  
 181587-01-9, Ethiprole 201593-84-2, Bistrifluron 209861-58-5,  
 Acetoprole 210880-92-5, Clothianidin 223419-20-3, Profluthrin  
 240494-70-6, Metofluthrin 283594-90-1, Spiromesifen

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(preparation of novel anthranilamides useful for controlling invertebrate  
 pests)

IT 877876-75-0P 877876-76-1P 877876-77-2P 877876-78-3P  
~~877876-79-4P 877876-80-7P 877876-81-8P~~  
 877876-82-9P 877876-83-0P 877876-84-1P 877876-85-2P 877876-86-3P  
 877876-87-4P 877876-88-5P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN  
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation of novel anthranilamides useful for controlling invertebrate  
 pests)

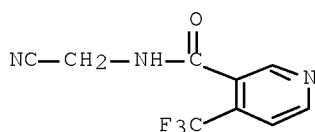
IT 158062-67-0, Flonicamid

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(preparation of novel anthranilamides useful for controlling invertebrate  
 pests)

RN 158062-67-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX  
 NAME)



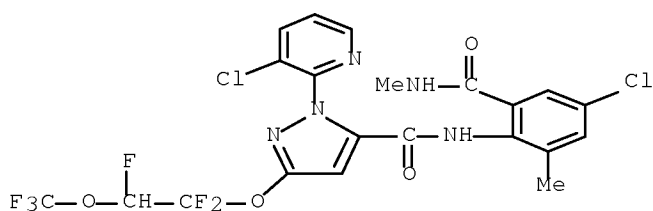
IT ~~877876-79-4P 877876-80-7P 877876-81-8P~~

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN  
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation of novel anthranilamides useful for controlling invertebrate  
 pests)

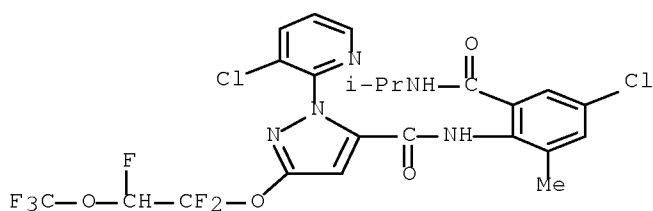
RN 877876-79-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-[1,1,2-trifluoro-  
 2-(trifluoromethoxy)ethoxy]- (CA INDEX NAME)



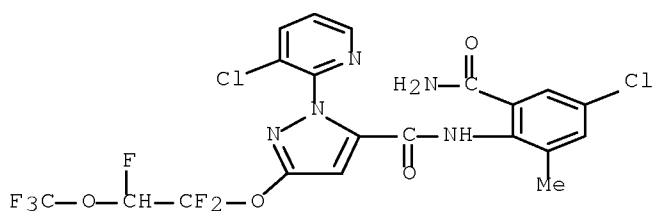
RN 877876-80-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]- (CA INDEX NAME)



RN 877876-81-8 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-chloro-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 27 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:75888 HCAPLUS [Full-text](#)

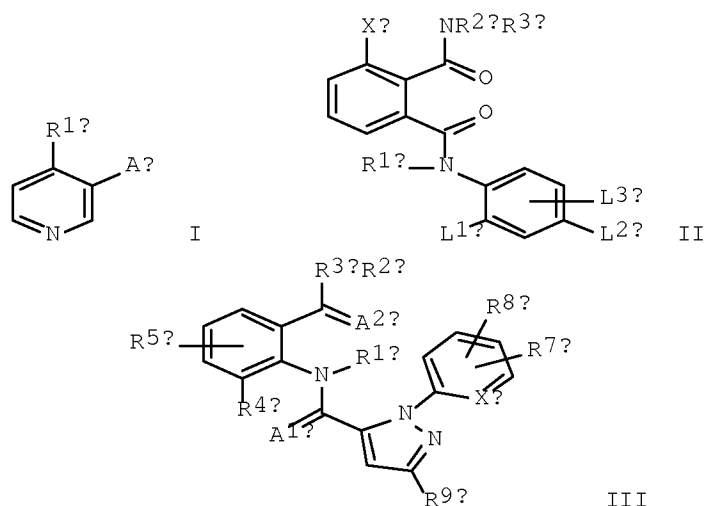
DOCUMENT NUMBER: 144:144759

TITLE: Selective and synergistic insecticide and acaricide compositions based on haloalkyl nicotinic acid derivatives, anthranilic acid diamides or phthalic acid diamides, and safeners

INVENTOR(S): Fischer, Reiner; Fischer, Ruediger; Funke, Christian; Hense, Achim; Andersch, Wolfram; Hungenberg, Heike; Thielert, Wolfgang; Reckmann, Udo; Willms, Lothar;

PATENT ASSIGNEE(S): Arnold, Christian  
 SOURCE: Bayer CropScience AG, Germany  
 PCT Int. Appl., 133 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006008108	A2	20060126	WO 2005-EP7791	20050718
WO 2006008108	A3	20060831		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
DE 102004035134	A1	20060216	DE 2004-102004035134	20040720
AU 2005263567	A1	20060126	AU 2005-263567	20050718
CA 2574205	A1	20060126	CA 2005-2574205	20050718
EP 1771072	A2	20070411	EP 2005-761088	20050718
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
CN 1988804	A	20070627	CN 2005-80024810	20050718
BR 2005012106	A	20080206	BR 2005-12106	20050718
JP 2008506740	T	20080306	JP 2007-521874	20050718
IN 2007DN00084	A	20070803	IN 2007-DN84	20070103
PRIORITY APPLN. INFO.:			DE 2004-102004035134A	20040720
			WO 2005-EP7791	W 20050718
OTHER SOURCE(S):	MARPAT 144:144759			
GI				



AB The title insecticide and acaricide combinations comprise: (a) (1) at least one haloalkyl nicotinic acid derivative I [AA = haloalkyl; AA = heterocyclyl, C(:WA)N3AR2A, etc; WA = O or S; R2A, R3A = H, OH, oximinoalkyl, hydrazonoalkyl etc.; R3ANR2A = ring] or (2) at least one phthalic acid diamine II [XB = halo, cyano, (halo)alkyl, etc.; R1B, R2B, R3B, = H, cyano, (halo)cycloalkyl, etc.; L1B, L3B = H, halo, cyano, (un)substituted alkyl, Ph, PhO, heteraryloxy, etc.; L2B = H, halo, cyano, (un)substituted alkyl, etc.] or (3) at least one anthranilic acid amide III [XC = N or CR10C; R10C = H, (halo)alkyl, halo, cyano or haloalkoxy; A1C, A2C = O or S; R1C = H, (un)substituted alkyl, etc.; R2C = H, alkyl, alkenyl, alkynyl, etc.; R3C = H, (un)substituted alkyl, alkenyl, alkynyl, etc.; R4C = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, etc.; R5C, R8C = H, halo, (un)substituted (halo)alkyl, etc.; R7C = H, halo, (halo)alkyl, (halo)alkoxy, alkylthio, alkylsulfonyl, etc.; R9C = halo, haloalkyl, haloalkoxy, etc.] and (b) at least one compound that improves crop plant tolerance, especially cloquintocet-mexyl, isoxadifen-Et, and mefenpyr-diethyl.

CC 5-4 (Agrochemical Bioregulators)

IT Acaricides

## Insecticides

(synergistic, selective; compns. containing haloalkyl nicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides, and safeners)

IT	874141-47-6	874141-48-7	874141-49-8	874141-50-1	874141-51-2
	874141-52-3	874141-53-4	874141-54-5	874141-55-6	874141-56-7
	874141-57-8	874141-58-9	874141-59-0	874141-60-3	874141-61-4
	874141-62-5	874141-63-6	874141-64-7	874141-65-8	874141-66-9
	874141-67-0	874141-68-1	874141-69-2	874141-70-5	874141-71-6
	874141-72-7	874141-73-8	874141-74-9		
	874141-75-0	874141-76-1	874141-77-2		
	874141-78-3	874141-79-4	874141-80-7		

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(selective and synergistic insecticide and acaricide composition)

IT 81-84-5D, 1,8-Naphthalic anhydride, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 94-74-6D, MCPA, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 94-75-7D, (2,4-D), mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 94-82-6D, (2,4-DB), mixts. with haloalkylnicotinic acid



derivs., anthranilic acid diamides or phthalic acid diamides 122-88-3D, 4-Chlorophenoxyacetic acid, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 1918-00-9D, (Dicamba), mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 3547-07-7D, 4-(4-Chlorophenoxy)butyric acid, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 3740-92-9D, Fenclorim, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 4337-16-0D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 4367-49-1D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 7064-04-2D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 21409-25-6D, Diphenylmethoxyacetic acid, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 31541-57-8D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 37764-25-3D, Dichlormid, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 39089-45-7D, R 28725, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 41295-28-7D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 41858-19-9D, Diphenylmethoxyacetic acid methyl ester, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 42609-52-9D, (Daimuron, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 52836-31-4D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 54091-06-4D, 1-Bromo-4-chloromethylsulfonfylbenzene, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 60980-03-2D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 61432-55-1D, (Dimepiperate), mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 71526-07-3D, MON-4660), mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 72850-64-7D, Flurazole, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 74782-23-3D, Oxabetrinil, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 78370-21-5D, Cyometrinil, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 79660-25-6D, PPG 1292, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 85072-82-8D, Dicyclonon, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 87214-73-1D, Lactidichlor-ethyl, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 88349-88-6D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 88349-90-0D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 88349-91-1D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 88349-98-8D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 88350-01-0D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 88485-37-4D, Fluxofenim, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 97454-00-7D, DKA 24, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 98730-04-2D, (Benoxacor), mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 99485-76-4D, (Cumyluron), mixts. with haloalkylnicotinic

acid derivs., anthranilic acid diamides or phthalic acid diamides  
99607-70-2D, Cloquintocet mexyl, mixts. with haloalkylnicotinic acid  
derivs., anthranilic acid diamides or phthalic acid diamides  
99621-03-1D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid  
diamides or phthalic acid diamides 99621-31-5D, mixts. with  
haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic  
acid diamides 103112-35-2D, mixts. with haloalkylnicotinic acid derivs.,  
anthranilic acid diamides or phthalic acid diamides 116572-67-9D,  
1-(2-Chlorophenyl)-5-phenyl-1H-pyrazole-3-carboxylic acid methyl ester,  
mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or  
phthalic acid diamides 116572-81-7D, mixts. with haloalkylnicotinic acid  
derivs., anthranilic acid diamides or phthalic acid diamides  
116572-82-8D, mixts. with haloalkylnicotinic acid derivs., anthranilic  
acid diamides or phthalic acid diamides 116573-08-1D, mixts. with  
haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic  
acid diamides 116573-15-0D, mixts. with haloalkylnicotinic acid derivs.,  
anthranilic acid diamides or phthalic acid diamides 118286-11-6D,  
Diphenylmethoxyacetic acid ethyl ester, mixts. with haloalkylnicotinic  
acid derivs., anthranilic acid diamides or phthalic acid diamides  
121776-33-8D, Furilazole, mixts. with haloalkylnicotinic acid derivs.,  
anthranilic acid diamides or phthalic acid diamides 122618-70-6D, mixts.  
with haloalkylnicotinic acid derivs., anthranilic acid diamides or  
phthalic acid diamides 126067-40-1D, 1-(2,4-Dichlorophenyl)-5-methyl-1H-  
pyrazole-3-carboxylic acid ethyl ester, mixts. with haloalkylnicotinic  
acid derivs., anthranilic acid diamides or phthalic acid diamides  
126099-96-5D, 1-(2,4-Dichlorophenyl)-5-isopropyl-1H-pyrazole-3-carboxylic  
acid ethyl ester, mixts. with haloalkylnicotinic acid derivs., anthranilic  
acid diamides or phthalic acid diamides 126099-98-7D, mixts. with  
haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic  
acid diamides 129513-09-3D, mixts. with haloalkylnicotinic acid derivs.,  
anthranilic acid diamides or phthalic acid diamides 129513-10-6D, mixts.  
with haloalkylnicotinic acid derivs., anthranilic acid diamides or  
phthalic acid diamides 129531-12-0D, mixts. with haloalkylnicotinic acid  
derivs., anthranilic acid diamides or phthalic acid diamides  
133607-95-1D, mixts. with haloalkylnicotinic acid derivs., anthranilic  
acid diamides or phthalic acid diamides 133993-74-5D, MG 838, mixts.  
with haloalkylnicotinic acid derivs., anthranilic acid diamides or  
phthalic acid diamides 135439-10-0D, mixts. with haloalkylnicotinic acid  
derivs., anthranilic acid diamides or phthalic acid diamides  
135590-91-9D, mixts. with haloalkylnicotinic acid derivs., anthranilic  
acid diamides or phthalic acid diamides 143276-05-5D, mixts. with  
haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic  
acid diamides 143341-18-8D, mixts. with haloalkylnicotinic acid derivs.,  
anthranilic acid diamides or phthalic acid diamides 145621-96-1D, mixts.  
with haloalkylnicotinic acid derivs., anthranilic acid diamides or  
phthalic acid diamides 146893-26-7D, mixts. with haloalkylnicotinic acid  
derivs., anthranilic acid diamides or phthalic acid diamides  
154502-05-3D, mixts. with haloalkylnicotinic acid derivs., anthranilic  
acid diamides or phthalic acid diamides 154879-67-1D, mixts. with  
haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic  
acid diamides 154879-69-3D, mixts. with haloalkylnicotinic acid derivs.,  
anthranilic acid diamides or phthalic acid diamides 154879-86-4D, mixts.  
with haloalkylnicotinic acid derivs., anthranilic acid diamides or  
phthalic acid diamides 158062-67-0D, mixts. with safeners  
158062-71-6D, mixts. with safeners 158062-72-7D, mixts. with  
safeners 158062-73-8D, mixts. with safeners 158062-74-9D  
, mixts. with safeners 163520-33-0D, Isoxadifen ethyl, mixts. with  
haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic  
acid diamides 163520-46-5D, mixts. with haloalkylnicotinic acid derivs.,  
anthranilic acid diamides or phthalic acid diamides 164149-36-4D, mixts.

with safeners 164149-37-5D, mixts. with safeners 164149-38-6D, mixts.  
 with safeners 164149-39-7D, mixts. with safeners 164149-40-0D, mixts.  
 with safeners 164341-40-6D, mixts. with safeners 164341-55-3D, mixts.  
 with safeners 164341-56-4D, mixts. with safeners 164341-59-7D, mixts.  
 with safeners 180801-22-3D, mixts. with haloalkylnicotinic acid derivs.,  
 anthranilic acid diamides or phthalic acid diamides 200201-69-0D, mixts.  
 with haloalkylnicotinic acid derivs., anthranilic acid diamides or  
 phthalic acid diamides 200201-76-9D, mixts. with haloalkylnicotinic acid  
 derivs., anthranilic acid diamides or phthalic acid diamides  
 200201-78-1D, mixts. with haloalkylnicotinic acid derivs., anthranilic  
 acid diamides or phthalic acid diamides 200201-84-9D, mixts. with  
 haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic  
 acid diamides 200202-08-0D, mixts. with haloalkylnicotinic acid derivs.,  
 anthranilic acid diamides or phthalic acid diamides 207502-65-6D, mixts.  
 with safeners 207502-66-7D, mixts. with safeners 209866-92-2D, mixts.  
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 phthalic acid diamides 210484-89-2D, mixts. with safeners  
 210484-91-6D, mixts. with safeners 210485-03-3D, mixts. with safeners  
 218276-59-6D, mixts. with safeners 218276-61-0D, mixts. with safeners  
 218276-63-2D, mixts. with safeners 218276-64-3D, mixts. with safeners  
 221666-82-6D, mixts. with haloalkylnicotinic acid derivs., anthranilic  
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 acid diamides 221667-31-8D, mixts. with haloalkylnicotinic acid derivs.,  
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 phthalic acid diamides 221668-34-4D, mixts. with haloalkylnicotinic acid  
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 221668-48-0D, mixts. with haloalkylnicotinic acid derivs., anthranilic  
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 phthalic acid diamides 228553-45-5D, mixts. with safeners  
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 272450-62-1D, mixts. with safeners 272451-61-3D, mixts. with safeners  
 272451-65-7D, mixts. with safeners 272451-69-1D, mixts. with safeners  
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 phthalic acid diamides 874141-89-6D, mixts. with haloalkylnicotinic acid  
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 acid diamides 874142-02-6D, mixts. with haloalkylnicotinic acid derivs.,  
 anthranilic acid diamides or phthalic acid diamides 874142-03-7D, mixts.  
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 phthalic acid diamides 874142-04-8D, mixts. with haloalkylnicotinic acid  
 derivs., anthranilic acid diamides or phthalic acid diamides  
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 874142-08-2D, mixts. with safeners 874142-10-6D, mixts. with safeners  
 874142-11-7D, mixts. with safeners 874142-12-8D, mixts. with safeners

874142-13-9D, mixts. with safeners

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(selective and synergistic insecticide and acaricide compns.)

IT 874141-73-8 874141-74-9 874141-75-0  
874141-76-1 874141-77-2 874141-78-3  
874141-79-4 874141-80-7

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(selective and synergistic insecticide and acaricide composition)

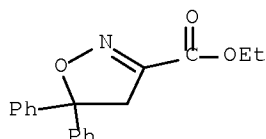
RN 874141-73-8 HCAPLUS

CN 3-Isoxazolecarboxylic acid, 4,5-dihydro-5,5-diphenyl-, ethyl ester, mixt.  
with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (9CI) (CA  
INDEX NAME)

CM 1

CRN 163520-33-0

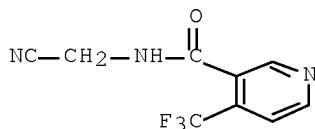
CMF C18 H17 N O3



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



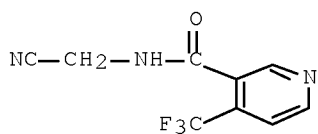
RN 874141-74-9 HCAPLUS

CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-, mixt. with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 158062-67-0

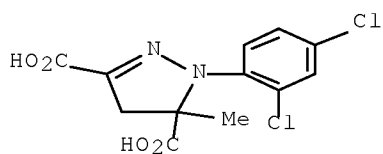
CMF C9 H6 F3 N3 O



CM 2

CRN 135591-00-3

CMF C12 H10 C12 N2 O4



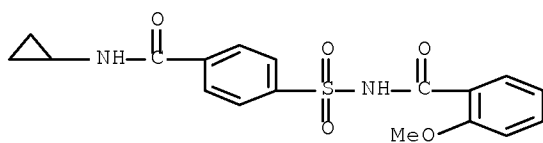
RN 874141-75-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
N-[[4-[(cyclopropylamino)carbonyl]phenyl]sulfonyl]-2-methoxybenzamide  
(9CI) (CA INDEX NAME)

CM 1

CRN 221667-31-8

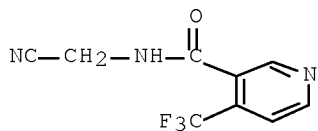
CMF C18 H18 N2 O5 S



CM 2

CRN 158062-67-0

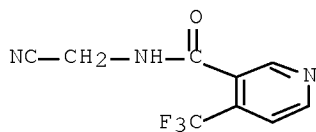
CMF C9 H6 F3 N3 O



RN 874141-76-1 HCAPLUS  
 CN Acetic acid, [(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester, mixt.  
 with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (9CI) (CA  
 INDEX NAME)

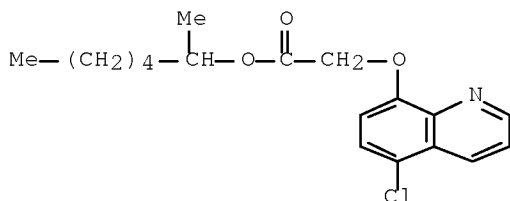
CM 1

CRN 158062-67-0  
 CMF C9 H6 F3 N3 O



CM 2

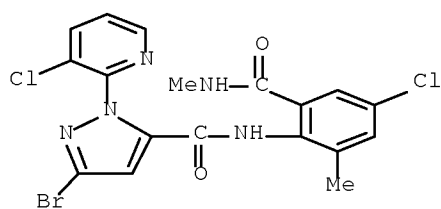
CRN 99607-70-2  
 CMF C18 H22 Cl N O3



RN 874141-77-2 HCAPLUS  
 CN 3-Isoxazolecarboxylic acid, 4,5-dihydro-5,5-diphenyl-, ethyl ester, mixt.  
 with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-  
 chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

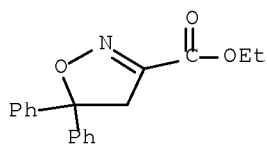
CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 163520-33-0

CMF C18 H17 N O3



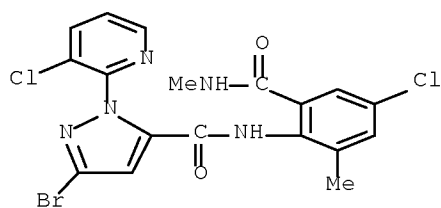
RN 874141-78-3 HCAPLUS

CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2

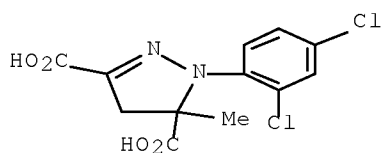


CM 2

CRN 135591-00-3

CMF C12 H10 Cl2 N2 O4





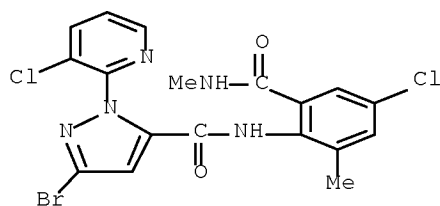
RN 874141-79-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[[4-[(cyclopropylamino)carbonyl]phenyl]sulfonyl]-2-methoxybenzamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

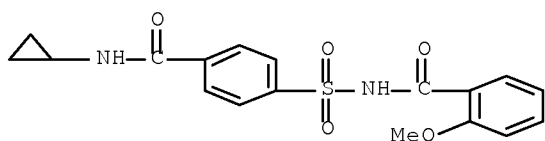
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 221667-31-8

CMF C18 H18 N2 O5 S



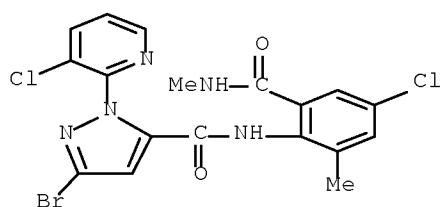
RN 874141-80-7 HCAPLUS

CN Acetic acid, [(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

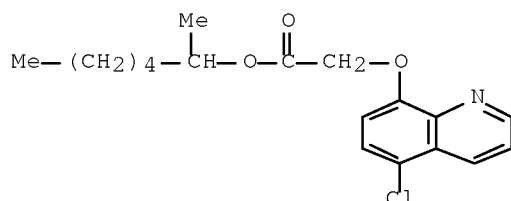
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 99607-70-2

CMF C18 H22 Cl N O3

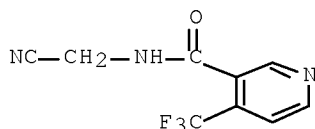


IT 158062-67-0D, mixts. with safeners 158062-72-7D, mixts.  
 with safeners 158062-73-8D, mixts. with safeners  
 158062-74-9D, mixts. with safeners 438450-41-0D, mixts.  
 with safeners 500008-00-4D, mixts. with safeners  
 500008-44-6D, mixts. with safeners 500008-45-7D, mixts.  
 with safeners 500008-60-6D, mixts. with safeners  
 500008-62-8D, mixts. with safeners 500010-08-2D, mixts.  
 with safeners 500010-10-6D, mixts. with safeners  
 533932-46-6D, mixts. with safeners 852241-81-7D, mixts.  
 with safeners

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (selective and synergistic insecticide and acaricide compns.)

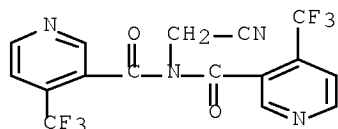
RN 158062-67-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX  
 NAME)



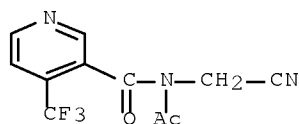
RN 158062-72-7 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-N-[[4-  
 (trifluoromethyl)-3-pyridinyl]carbonyl]- (CA INDEX NAME)



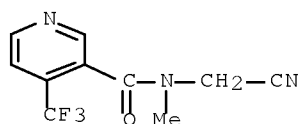
RN 158062-73-8 HCAPLUS

CN 3-Pyridinecarboxamide, N-acetyl-N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



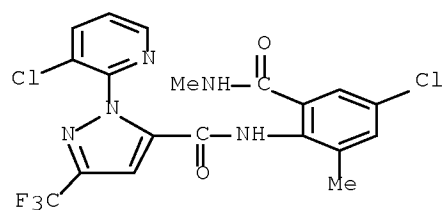
RN 158062-74-9 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-N-methyl-4-(trifluoromethyl)- (CA INDEX NAME)



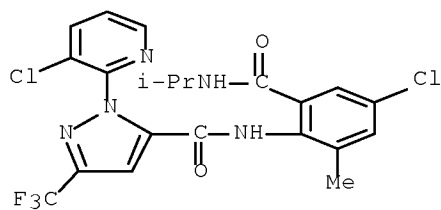
RN 438450-41-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



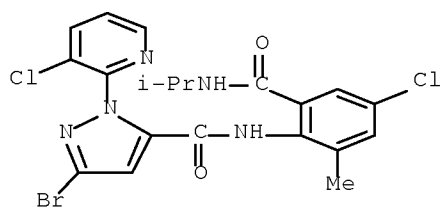
RN 500008-00-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[1-(methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



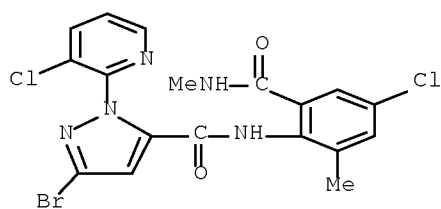
RN 500008-44-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



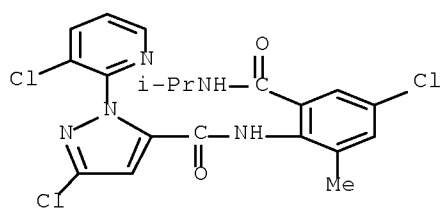
RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



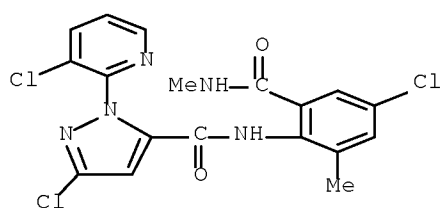
RN 500008-60-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



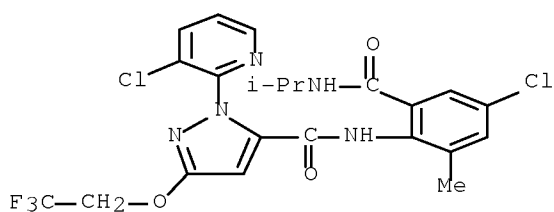
RN 500008-62-8 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



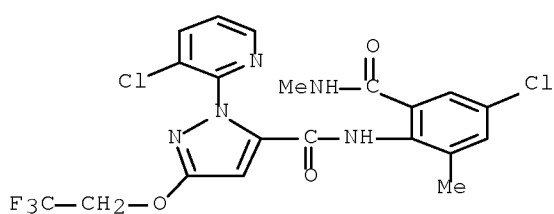
RN 500010-08-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[1-(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)

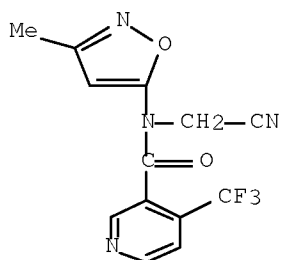


RN 500010-10-6 HCAPLUS

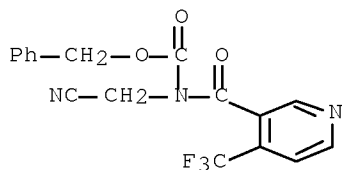
CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



RN 533932-46-6 HCAPLUS  
 CN 3-Pyridinecarboxamide, N-(cyanomethyl)-N-(3-methyl-5-isoxazolyl)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 852241-81-7 HCAPLUS  
 CN Carbamic acid, (cyanomethyl)[[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



L30 ANSWER 28 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2006:53792 HCAPLUS Full-text  
 DOCUMENT NUMBER: 144:123269  
 TITLE: Synergistic mixtures of anthranilamide invertebrate pest control agents  
 INVENTOR(S): Annan, Isaac Billy; Flexner, John Lindsey; Portillo, Hector Eduardo  
 PATENT ASSIGNEE(S): E.I. Dupont de Nemours and Company, USA  
 SOURCE: PCT Int. Appl., 77 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2006007595	A2	20060119	WO 2005-US23813	20050630
WO 2006007595	A3	20060629		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,			

LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,  
 NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,  
 SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,  
 ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF,  
 CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM,  
 KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG,  
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AU 2005262309 A1 20060119 AU 2005-262309 20050630  
 CA 2569478 A1 20060119 CA 2005-2569478 20050630  
 EP 1778012 A2 20070502 EP 2005-770891 20050630

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 HR, LV, MK, YU

CN 101014247 A 20070808 CN 2005-80022564 20050630  
 JP 2008505121 T 20080221 JP 2007-519534 20050630  
 BR 2005012433 A 20080304 BR 2005-12433 20050630  
 IN 2006DN07417 A 20070824 IN 2006-DN7417 20061207  
 MX 2006PA14898 A 20070228 MX 2006-PA14898 20061218  
 US 20080027046 A1 20080131 US 2006-630312 20061220  
 KR 2007054602 A 20070529 KR 2006-727828 20061229

PRIORITY APPLN. INFO.: US 2004-584601P P 20040701  
 US 2005-666073P P 20050329  
 WO 2005-US23813 W 20050630

AB Mixts. and compns. for controlling invertebrate pests comprise (a) 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (I), its N-oxides, or suitable salts thereof and (b) ≥1 component selected from neonicotinoids, cholinesterase inhibitors, sodium channel modulators, chitin synthesis inhibitors, ecdysone agonists, lipid biosynthesis inhibitors, macrocyclic lactones, GABA-regulated chloride channel blockers, juvenile hormone mimics, ryanodine receptor ligands, octopamine receptor ligands, mitochondrial electron transport inhibitors, nereistoxin analogs, pyridalyl, flonicamid, pymetrozine, dieldrin, metaflumizone, biol. agents, and suitable salts of these. Pest control methods involve contacting the invertebrate pest or its environment with a biol. effective amount of one of these arthropodocidal mixts. Thus, I + spinosad synergistically controlled silverleaf whitefly (*Bemisia argentifolia*) on a cotton plant, with 100% mortality from spraying a 6 + 300 ppm formulated composition

CC 5-4 (Agrochemical Bioregulators)

IT Insecticides  
 (neonicotinoid, mixts. with anthranilamide pesticides; as synergistic arthropodocides)

IT Insecticides  
 (synergistic; mixts. containing anthranilamide pesticides as)

IT 873329-92-1 873329-94-3 873329-95-4  
 873329-96-5 873329-97-6 873329-98-7  
 873329-99-8 873330-00-8 873330-02-0  
 873330-04-2 873330-05-3 873330-07-5  
 873330-09-7 873330-11-1 873330-13-3  
 873330-15-5 873330-17-7 873330-18-8  
 873330-19-9 873330-20-2 873330-21-3  
 873330-22-4 873330-23-5 873330-25-7  
 873330-26-8 873330-27-9 873330-29-1  
 873330-30-4 873330-31-5 873330-32-6  
 873330-34-8 873330-35-9 873330-36-0  
 873330-37-1 873330-39-3 873330-40-6  
 873330-42-8 873330-43-9

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(as synergistic arthropodicide)

IT 60-57-1D, Dieldrin, mixts. with anthranilamide pesticides 1631-58-9D, Nereistoxin, analogs, mixts. with anthranilamide pesticides 15263-53-3D, Cartap, mixts. with anthranilamide pesticide oxides and salts 16752-77-5D, Methomyl, mixts. with anthranilamide pesticide oxides and salts 23135-22-0D, Oxamyl, mixts. with anthranilamide pesticide oxides and salts 33089-61-1D, Amitraz, mixts. with anthranilamide pesticide oxides and salts 40596-69-8D, Methoprene, mixts. with anthranilamide pesticide oxides and salts 52918-63-5D, Deltamethrin, mixts. with anthranilamide pesticide oxides and salts 67485-29-4D, Hydramethylnon, mixts. with anthranilamide pesticide oxides and salts 71751-41-2D, Abamectin, mixts. with anthranilamide pesticide oxides and salts 72490-01-8D, Fenoxycarb, mixts. with anthranilamide pesticide oxides and salts 86479-06-3D, Hexaflumuron, mixts. with anthranilamide pesticide oxides and salts 91465-08-6D, mixts. with anthranilamide pesticide oxides and salts 96489-71-3D, Pyridaben, mixts. with anthranilamide pesticide oxides and salts 111988-49-9D, Thiacloprid, mixts. with anthranilamide pesticide oxides and salts 116714-46-6D, Novaluron, mixts. with anthranilamide pesticide oxides and salts 120068-37-3D, Fipronil, mixts. with anthranilamide pesticide oxides and salts 122453-73-0D, Chlorfenapyr, mixts. with anthranilamide pesticide oxides and salts 123312-89-0D, Pymetrozine, mixts. with anthranilamide pesticides 138261-41-3D, Imidacloprid, mixts. with anthranilamide pesticide oxides and salts 139968-49-3D, Metaflumizone, mixts. with anthranilamide pesticides 150824-47-8D, Nitenpyram, mixts. with anthranilamide pesticide oxides and salts 153719-23-4D, Thiamethoxam, mixts. with anthranilamide pesticide oxides and salts 158062-67-0D, Flonicamid, mixts. with anthranilamide pesticide oxides and salts 158062-67-0D, Flonicamid, mixts. with anthranilamide pesticides 165252-70-0D, Dinotefuran, mixts. with anthranilamide pesticide oxides and salts 168316-95-8D, Spinosad, mixts. with anthranilamide pesticide oxides and salts 173584-44-6D, Indoxacarb, mixts. with anthranilamide pesticide oxides and salts 179101-81-6D, Pyridalyl, mixts. with anthranilamide pesticides 500008-45-7D, or oxides or salts, mixts. containing

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(as synergistic arthropodicides)

IT 873329-92-1 873329-94-3 873329-95-4  
873329-96-5 873329-97-6 873329-98-7  
873329-99-8 873330-00-8 873330-02-0  
873330-04-2 873330-05-3 873330-07-5  
873330-09-7 873330-11-1 873330-13-3  
873330-15-5 873330-17-7 873330-18-8  
873330-19-9 873330-20-2 873330-21-3  
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873330-30-4 873330-31-5 873330-32-6  
873330-34-8 873330-35-9 873330-36-0  
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873330-42-8 873330-43-9

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(as synergistic arthropodicide)

RN 873329-92-1 HCAPLUS

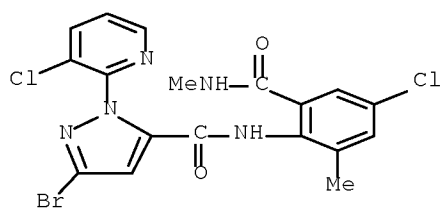
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with (2E)-1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (9CI) (CA INDEX NAME)



CM 1

CRN 500008-45-7

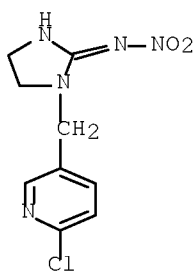
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CM 2

CRN 138261-41-3

CMF C9 H10 Cl N5 O2



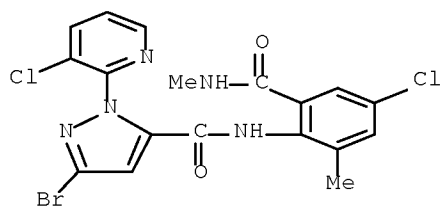
RN 873329-94-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with spinosad (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 168316-95-8

CMF Unspecified

CCI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

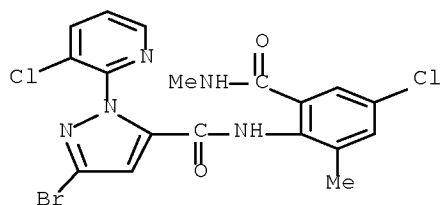
RN 873329-95-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
3-[(2-chloro-5-thiazolyl)methyl]tetrahydro-5-methyl-N-nitro-4H-1,3,5-  
oxadiazin-4-imine (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

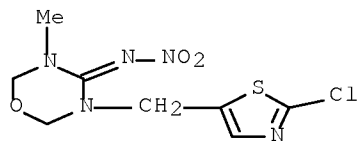
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 153719-23-4

CMF C8 H10 Cl N5 O3 S



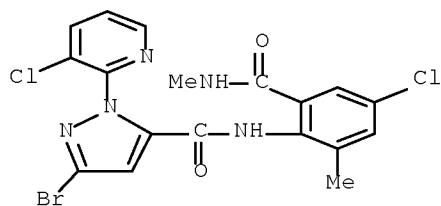
RN 873329-96-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
4-chloro-2-(1,1-dimethylethyl)-5-[[[4-(1,1-dimethylethyl)phenyl]methyl]thi  
o]-3(2H)-pyridazinone (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

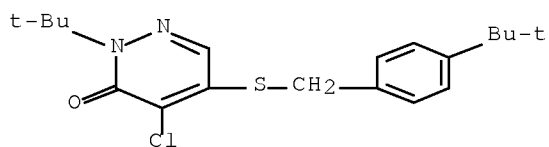
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 96489-71-3

CMF C19 H25 Cl N2 O S



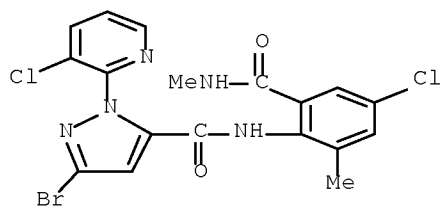
RN 873329-97-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-  
[(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile (9CI) (CA INDEX  
NAME)

CM 1

CRN 500008-45-7

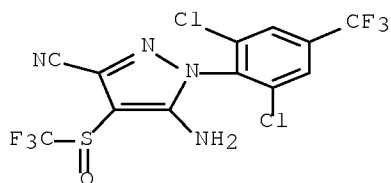
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 120068-37-3

CMF C12 H4 Cl2 F6 N4 O S



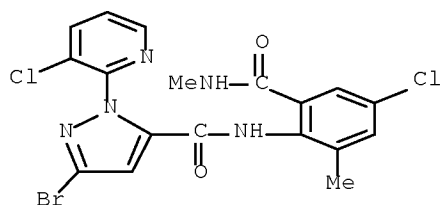
RN 873329-98-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
2-[(1,1-dimethylethyl)imino]tetrahydro-3-(1-methylethyl)-5-phenyl-4H-1,3,5-  
thiadiazin-4-one (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

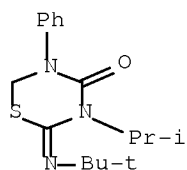
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 69327-76-0

CMF C16 H23 N3 O S



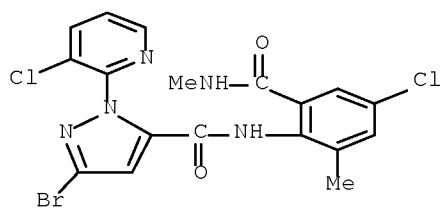
RN 873329-99-8 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
4-bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-  
3-carbonitrile (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

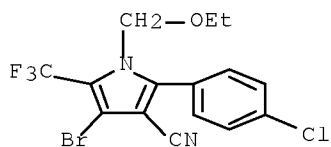
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 122453-73-0

CMF C15 H11 Br Cl F3 N2 O



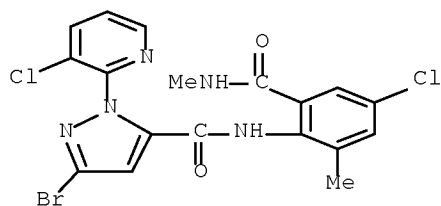
RN 873330-00-8 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-cyclopropyl-1,3,5-triazine-2,4,6-triamine (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

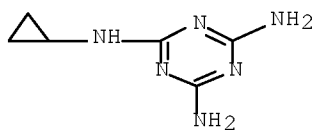
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 66215-27-8

CMF C6 H10 N6



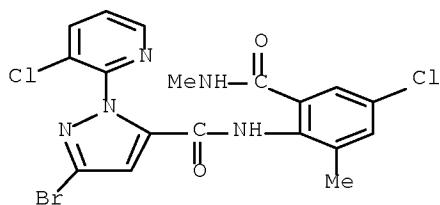
RN 873330-02-0 HCAPLUS

CN Carbamic acid, [2-(4-phenoxyphenoxy)ethyl]-, ethyl ester, mixt. with  
3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-  
2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

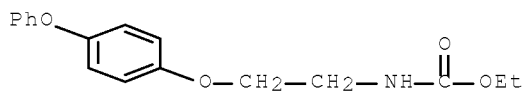
CMF C18 H14 Br C12 N5 O2



CM 2

CRN 72490-01-8

CMF C17 H19 N O4



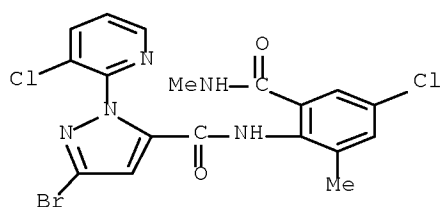
RN 873330-04-2 HCAPLUS

CN 2,4-Dodecadienoic acid, 11-methoxy-3,7,11-trimethyl-, 1-methylethyl ester,  
(2E,4E)-, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-  
carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2

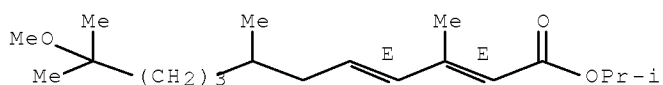


CM 2

CRN 40596-69-8

CMF C19 H34 O3

Double bond geometry as shown.



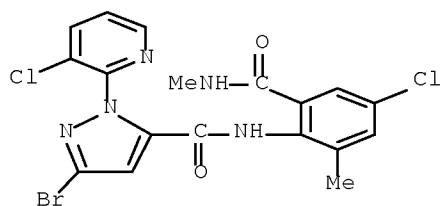
RN 873330-05-3 HCAPLUS

CN Ethanimidothioic acid, N,N'-[thiobis[(methylimino)carbonyloxy]]bis-, dimethyl ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

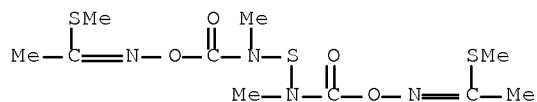
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 59669-26-0

CMF C10 H18 N4 O4 S3



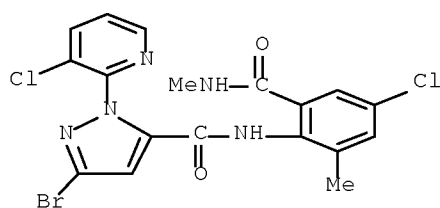
RN 873330-07-5 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-(2,2-dibromoethenyl)-2,2-dimethyl-, (S)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2

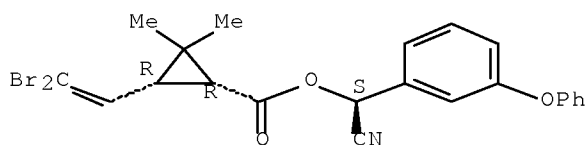


CM 2

CRN 52918-63-5

CMF C22 H19 Br2 N O3

Absolute stereochemistry.



RN 873330-09-7 HCAPLUS

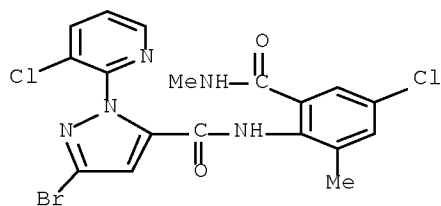
CN Ethanimidiothioic acid, 2-(dimethylamino)-N-[[[(methylamino)carbonyl]oxy]-2-oxo-, methyl ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2

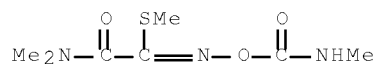




CM 2

CRN 23135-22-0

CMF C7 H13 N3 O3 S



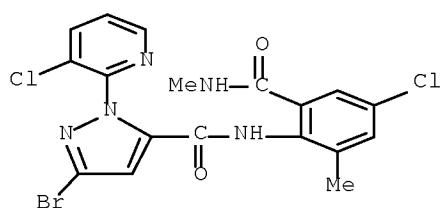
RN 873330-11-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
N-[[[3,5-dichloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl]amino]carbonyl]-2,6-  
difluorobenzamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

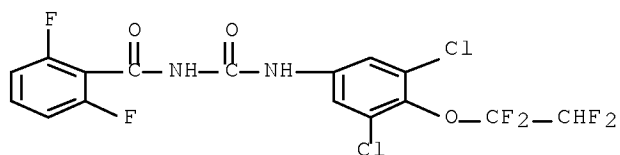
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 86479-06-3

CMF C16 H8 Cl2 F6 N2 O3



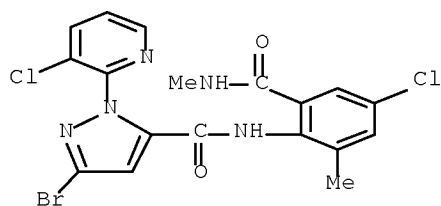
RN 873330-13-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with (1E)-N-[(6-chloro-3-pyridinyl)methyl]-N'-cyano-N-methylethananimidamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2

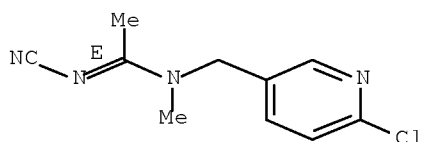


CM 2

CRN 135410-20-7

CMF C10 H11 Cl N4

Double bond geometry as shown.



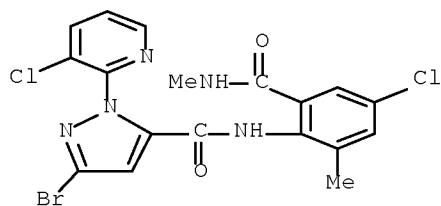
RN 873330-15-5 HCAPLUS

CN Carbamothioic acid, S,S'-[2-(dimethylamino)-1,3-propanediyl] ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

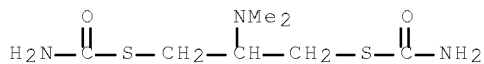
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 15263-53-3

CMF C7 H15 N3 O2 S2



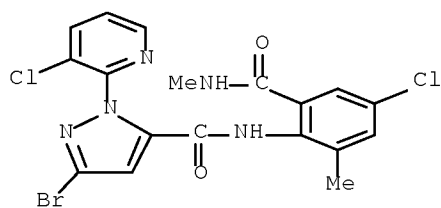
RN 873330-17-7 HCAPLUS

CN Benzeneacetic acid, 4-chloro- $\alpha$ -(1-methylethyl)-,  
 (S)-cyano(3-phenoxyphenyl)methyl ester, ( $\alpha$ S)-, mixt. with  
 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-  
 2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2

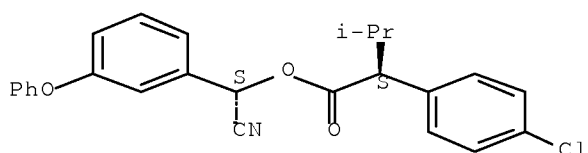


CM 2

CRN 66230-04-4

CMF C25 H22 Cl N O3

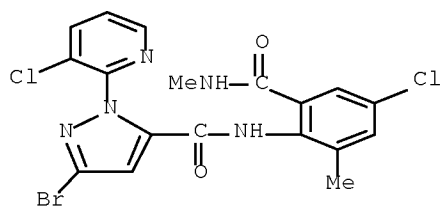
Absolute stereochemistry. Rotation (-).



RN 873330-18-8 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with [3-[(6-chloro-3-pyridinyl)methyl]-2-thiazolidinylidene]cyanamide (9CI) (CA INDEX NAME)

CM 1

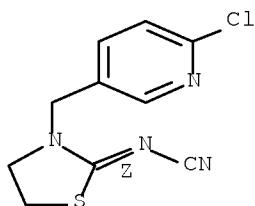
CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 111988-49-9  
 CMF C10 H9 Cl N4 S

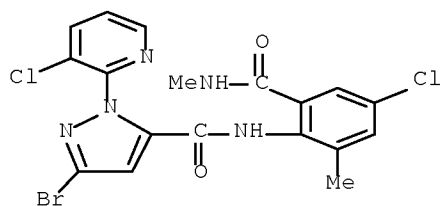
Double bond geometry as shown.



RN 873330-19-9 HCAPLUS  
 CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1S,3S)-rel-, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

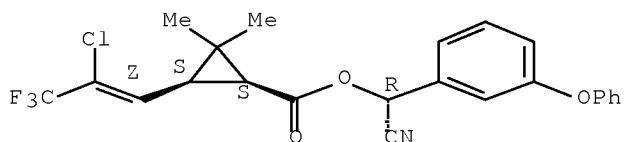
CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 91465-08-6  
 CMF C23 H19 Cl F3 N O3

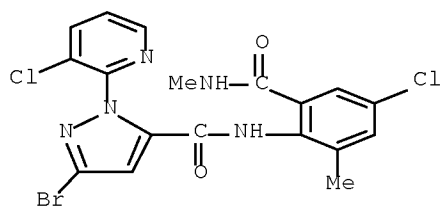
Relative stereochemistry.  
 Double bond geometry as shown.



RN 873330-20-2 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
 (1E)-N-[(6-chloro-3-pyridinyl)methyl]-N-ethyl-N'-methyl-2-nitro-1,1-  
 ethenediamine (9CI) (CA INDEX NAME)

CM 1

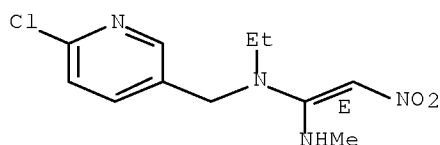
CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 150824-47-8  
 CMF C11 H15 Cl N4 O2

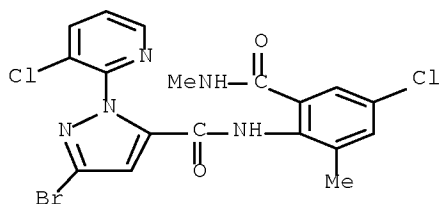
Double bond geometry as shown.



RN 873330-21-3 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[[[3-chloro-4-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]phenyl]amino]carbonyl]-2,6-difluorobenzamide (9CI) (CA INDEX NAME)

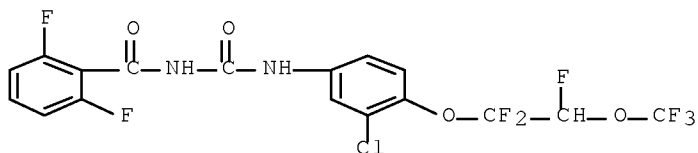
CM 1

CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

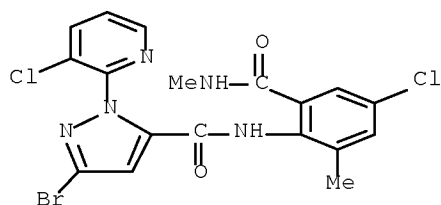
CRN 116714-46-6  
 CMF C17 H9 Cl F8 N2 O4



RN 873330-22-4 HCAPLUS  
 CN Ethanimidiothioic acid, N-[[[(methylamino)carbonyl]oxy]-, methyl ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

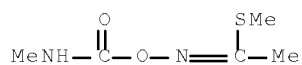
CM 1

CRN 500008-45-7  
 CMF C18 H14 Br C12 N5 O2



CM 2

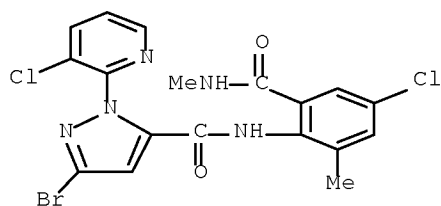
CRN 16752-77-5  
 CMF C5 H10 N2 O2 S



RN 873330-23-5 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N'-(2,4-dimethylphenyl)-N-[[2,4-dimethylphenyl]imino]methyl]-N-methylmethanimidamide (9CI) (CA INDEX NAME)

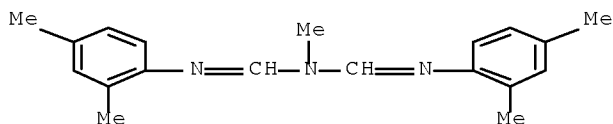
CM 1

CRN 500008-45-7  
 CMF C18 H14 Br C12 N5 O2



CM 2

CRN 33089-61-1  
 CMF C19 H23 N3



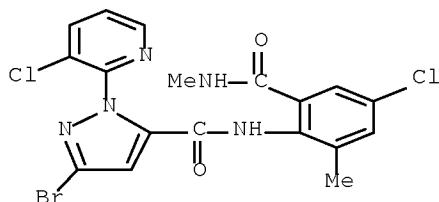
RN 873330-25-7 HCAPLUS

CN Indeno[1,2-e][1,3,4]oxadiazine-4a(3H)-carboxylic acid, 7-chloro-2,5-dihydro-2-[[ (methoxycarbonyl) [4-(trifluoromethoxy)phenyl]amino]carbonyl]-, methyl ester, (4aS)-, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2

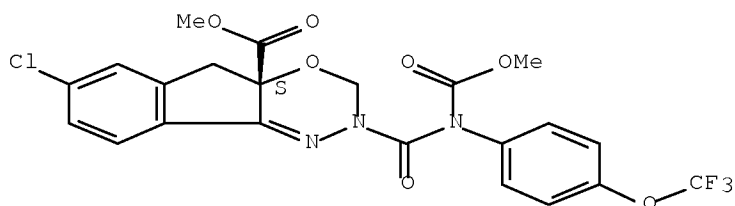


CM 2

CRN 173584-44-6

CMF C22 H17 Cl F3 N3 O7

Absolute stereochemistry. Rotation (+).



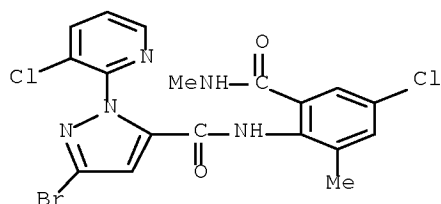
RN 873330-26-8 HCAPLUS

CN Benzoic acid, 3,5-dimethyl-, 1-(1,1-dimethylethyl)-2-(4-ethylbenzoyl)hydrazide, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

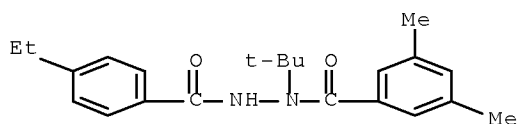


CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

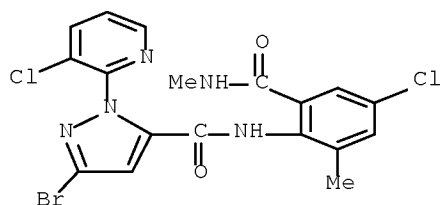
CRN 112410-23-8  
 CMF C22 H28 N2 O2



RN 873330-27-9 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
 N-[[[2,5-dichloro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]amino]carbonyl]-  
 2,6-difluorobenzamide (9CI) (CA INDEX NAME)

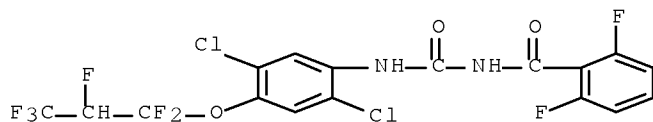
CM 1

CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 103055-07-8  
 CMF C17 H8 Cl2 F8 N2 O3



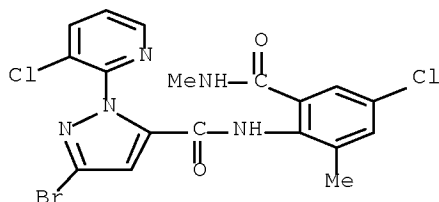
RN 873330-29-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
N-methyl-N'-nitro-N''-[(tetrahydro-3-furanyl)methyl]guanidine (9CI) (CA  
INDEX NAME)

CM 1

CRN 500008-45-7

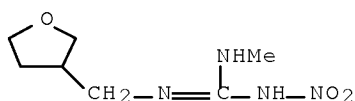
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 165252-70-0

CMF C7 H14 N4 O3



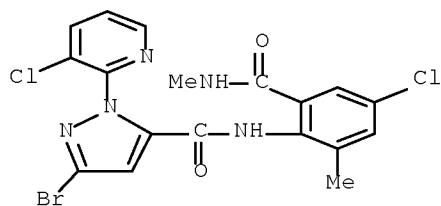
RN 873330-30-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
(1aR,2R,2aS,3S,6R,6aR,7S,7aS)-rel-3,4,5,6,9,9-hexachloro-  
1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3,6-dimethanonaphth[2,3-b]oxirene (9CI)  
(CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2

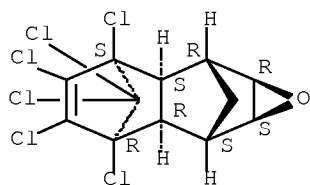


CM 2

CRN 60-57-1

CMF C12 H8 Cl6 O

Relative stereochemistry.



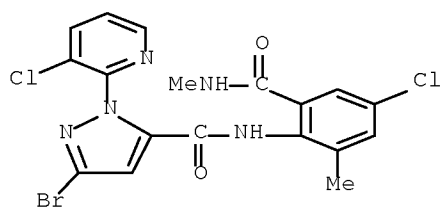
RN 873330-31-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]pyridine (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

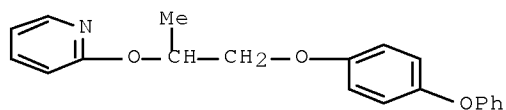
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 95737-68-1

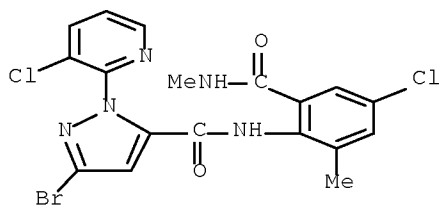
CMF C20 H19 N O3



RN 873330-32-6 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 4,5-dihydro-6-methyl-4-[(E)-(3-pyridinylmethylene)amino]-1,2,4-triazin-3(2H)-one (9CI) (CA INDEX NAME)

CM 1

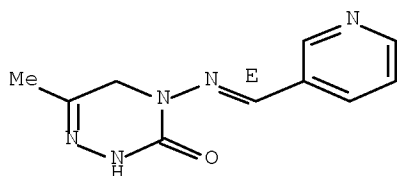
CRN 500008-45-7  
 CMF C18 H14 Br C12 N5 O2



CM 2

CRN 123312-89-0  
 CMF C10 H11 N5 O

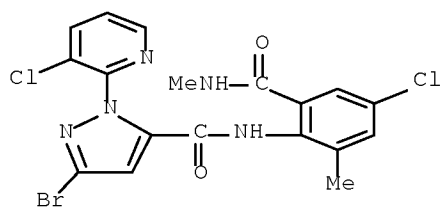
Double bond geometry as shown.



RN 873330-34-8 HCAPLUS  
 CN Acetic acid, [[1-[(dimethylamino)carbonyl]-3-(1,1-dimethylethyl)-1H-1,2,4-triazol-5-yl]thio]-, ethyl ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

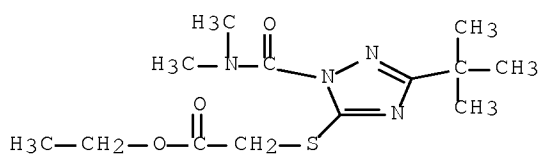
CRN 500008-45-7  
 CMF C18 H14 Br C12 N5 O2



CM 2

CRN 112143-82-5

CMF C13 H22 N4 O3 S



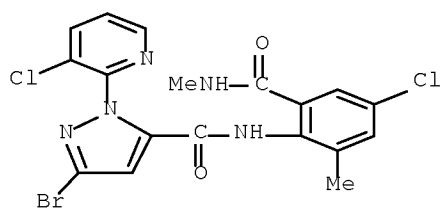
RN 873330-35-9 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-  
 2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

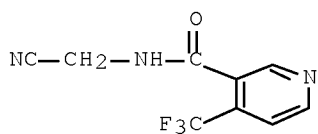
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



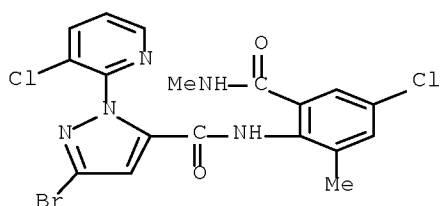
RN 873330-36-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone [3-[4-(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

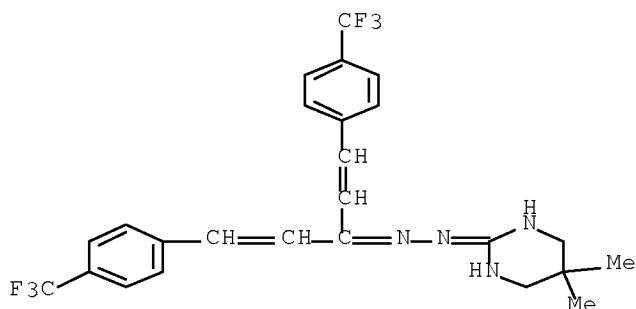
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 67485-29-4

CMF C25 H24 F6 N4



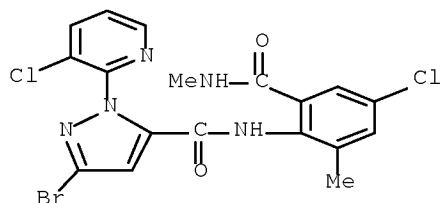
RN 873330-37-1 HCAPLUS

CN Avermectin B1, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 71751-41-2

CMF Unspecified

CCI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

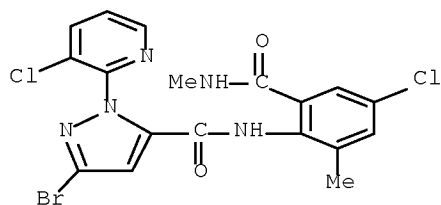
RN 873330-39-3 HCAPLUS

CN Benzoic acid, 3-methoxy-2-methyl-, 2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl)hydrazide, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

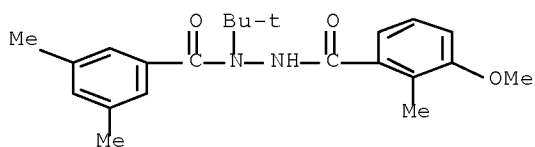
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 161050-58-4

CMF C22 H28 N2 O3



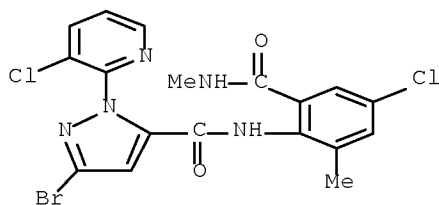
RN 873330-40-6 HCAPLUS

CN Phosphorothioic acid, O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

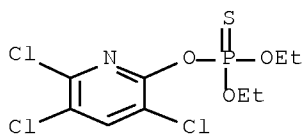
CMF C18 H14 Br C12 N5 O2



CM 2

CRN 2921-88-2

CMF C9 H11 Cl3 N O3 P S



RN 873330-42-8 HCAPLUS

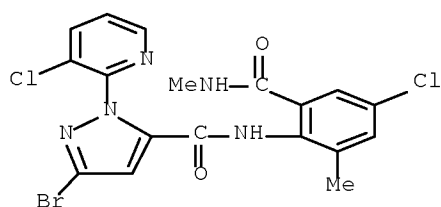
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 2-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propoxy]-5-(trifluoromethyl)pyridine (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2

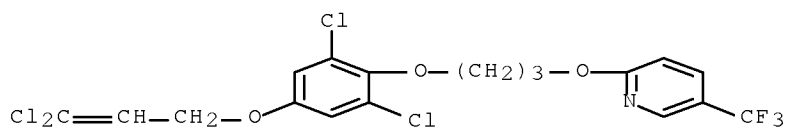




CM 2

CRN 179101-81-6

CMF C18 H14 Cl4 F3 N O3



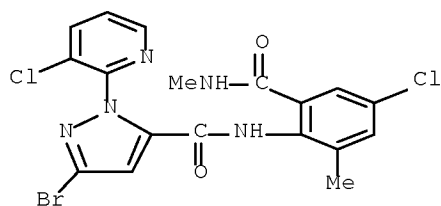
RN 873330-43-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
 [C(E)]-N-[(2-chloro-5-thiazolyl)methyl]-N'-methyl-N''-nitroguanidine (9CI)  
 (CA INDEX NAME)

CM 1

CRN 500008-45-7

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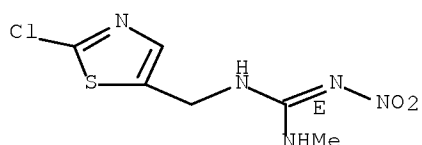


CM 2

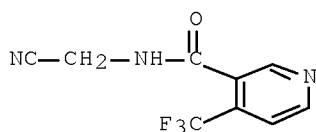
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CMF C6 H8 Cl1 N5 O2 S

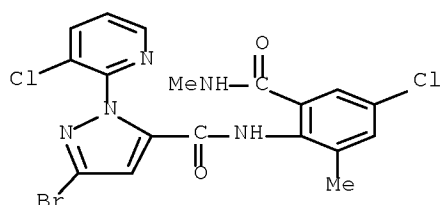
Double bond geometry as shown.



IT 158062-67-0D, Flonicamid, mixts. with anthranilamide pesticide  
 oxides and salts 500008-45-7D, or oxides or salts, mixts. containing  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (as synergistic arthropodocides)  
 RN 158062-67-0 HCAPLUS  
 CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX  
 NAME)



RN 500008-45-7 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 29 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:1001884 HCAPLUS Full-text  
 DOCUMENT NUMBER: 143:281039  
 TITLE: Oil-based pesticide suspension concentrates  
 INVENTOR(S): Baur, Peter; Fischer, Reiner; Vermeer, Ronald  
 PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany  
 SOURCE: PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005084435	A2	20050915	WO 2005-EP2285	20050304
WO 2005084435	A3	20051124		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 102004011007	A1	20050922	DE 2004-102004011007	20040306
AU 2005220023	A1	20050915	AU 2005-220023	20050304
EP 1725104	A2	20061129	EP 2005-715725	20050304
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR			
CN 1929743	A	20070314	CN 2005-80007233	20050304
BR 2005008525	A	20070814	BR 2005-8525	20050304
JP 2007527425	T	20070927	JP 2007-501226	20050304
IN 2006DN04961	A	20070713	IN 2006-DN4961	20060829
MX 2006PA10020	A	20061115	MX 2006-PA10020	20060904
US 20070281860	A1	20071206	US 2007-591129	20070716
PRIORITY APPLN. INFO.:			DE 2004-102004011007A	20040306
			WO 2005-EP2285	W 20050304

OTHER SOURCE(S): MARPAT 143:281039

AB The invention relates to oil-based suspension concs. consisting of at least one agrochem. ingredient that is solid at room temperature, at least one "closed" penetration promoter, at least one vegetable oil or mineral oil, at least one nonionic surfactant and/or at least one anionic surfactant, and optionally at least one additive from the group of emulsifiers, foam-inhibiting agents, preservatives, antioxidants, dyes and/or inert filler materials. The penetration promoter is an alc. ethoxylate or related compound

IC ICM A01N025-04  
ICS A01N025-30; A01N051-00; A01N047-06

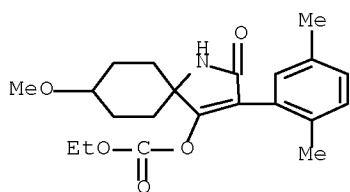
CC 5-4 (Agrochemical Bioregulators)

IT 111988-49-9, Thiacloprid 135410-20-7, Acetamiprid 138261-41-3, Imidacloprid 150824-47-8, Nitenpyram 153719-23-4, Thiamethoxam 165252-70-0, Dinotefuran 210880-92-5, Clothianidin 382608-10-8 500008-00-4 500008-45-7 736994-60-8 736994-63-1  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(oil-based pesticide suspension concs.)

IT 382608-10-8 500008-00-4 500008-45-7  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(oil-based pesticide suspension concs.)

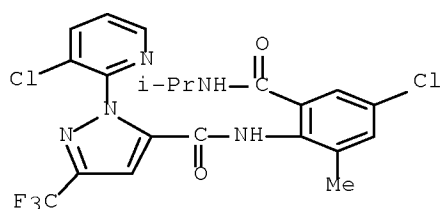
RN 382608-10-8 HCAPLUS

CN Carbonic acid, 3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)



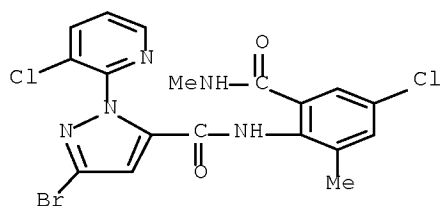
RN 500008-00-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 30 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:523209 HCAPLUS Full-text

DOCUMENT NUMBER: 143:21468

TITLE: Synergistic insecticidal and acaricidal compositions comprising anthranilic acid amines

INVENTOR(S): Funke, Christian; Fischer, Reiner; Fischer, Ruediger; Hungenberg, Heike; Andersch, Wolfram; Thielert, Wolfgang; Kraus, Anton

PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 68 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

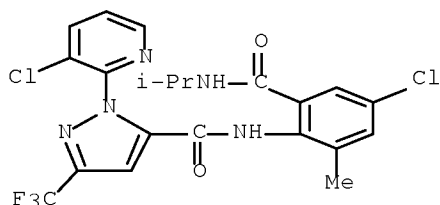
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005053405	A1	20050616	WO 2004-EP13198	20041120
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 102004021566	A1	20050630	DE 2004-102004021566	20040503
AU 2004294259	A1	20050616	AU 2004-294259	20041120
EP 1691608	A1	20060823	EP 2004-798023	20041120
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1889835	A	20070103	CN 2004-80036176	20041120
BR 2004017315	A	20070327	BR 2004-17315	20041120
JP 2007513103	T	20070524	JP 2006-541833	20041120
CN 101253861	A	20080903	CN 2008-10093705	20041120
IN 2006DN02823	A	20070518	IN 2006-DN2823	20060518
MX 2006PA06209	A	20060809	MX 2006-PA6209	20060601
US 20070270416	A1	20071122	US 2007-581447	20070412
PRIORITY APPLN. INFO.:				
DE 2003-10356551 A 20031204				
DE 2004-102004021566A 20040503				
CN 2004-80036176 A3 20041120				
WO 2004-EP13198 W 20041120				
OTHER SOURCE(S): MARPAT 143:21468				
AB Synergistic insecticidal and acaricidal compns. comprise cyclic ketoenols or other insecticides (amitraz, buprofezin, triazamate, pymetrozine, pyriproxifen, flonicamid or pirimicarb) and addnl. insecticides from the group of anthranilic acid amines.				
IC ICM A01N043-00				
CC 5-4 (Agrochemical Bioregulators)				
IT Acaricides				
Insecticides				
(synergistic; compns. comprising anthranilic acid amines)				
IT 853058-37-4 853058-38-5 853058-39-6				
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)				
(synergistic insecticidal and acaricidal composition)				
IT 23103-98-2D, Pirimicarb), mixts. with anthranilic acid amines				
33089-61-1D, (Amitraz, mixts. with anthranilic acid amines 69327-76-0D,				
Buprofezin, mixts. with anthranilic acid amines 112143-82-5D,				
Triazamate, mixts. with anthranilic acid amines 123312-89-0D,				
Pymetrozine, mixts. with anthranilic acid amines 158062-67-0D,				
Flonicamid, mixts. with anthranilic acid amines 382608-10-8D,				
mixts. with anthranilic acid amines				
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)				
(synergistic insecticidal and acaricidal compns.)				
IT 853058-37-4 853058-38-5 853058-39-6				
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)				
(synergistic insecticidal and acaricidal composition)				
RN 853058-37-4 HCAPLUS				
CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-				

methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-, mixt. with 2-[(1,1-dimethylethyl)imino]tetrahydro-3-(1-methylethyl)-5-phenyl-4H-1,3,5-thiadiazin-4-one (9CI) (CA INDEX NAME)

CM 1

CRN 500008-00-4

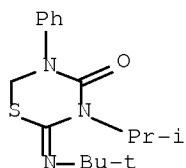
CMF C21 H18 Cl2 F3 N5 O2



CM 2

CRN 69327-76-0

CMF C16 H23 N3 O S



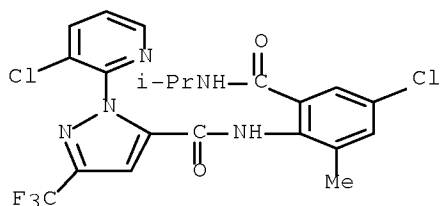
RN 853058-38-5 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with N-[4-chloro-2-methyl-6-[[[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-00-4

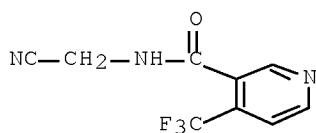
CMF C21 H18 Cl2 F3 N5 O2



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



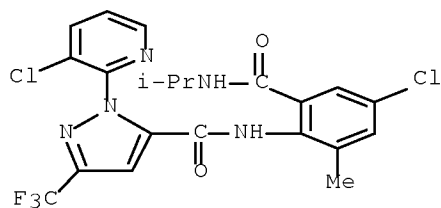
RN 853058-39-6 HCAPLUS

CN Carbonic acid, 3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with N-[4-chloro-2-methyl-6-[[1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-00-4

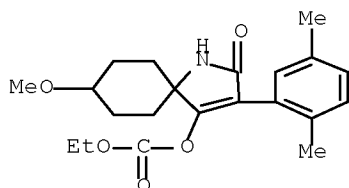
CMF C21 H18 Cl2 F3 N5 O2



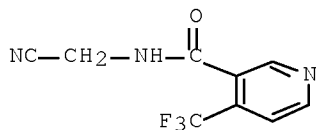
CM 2

CRN 382608-10-8

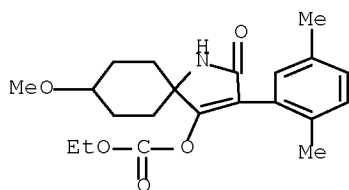
CMF C21 H27 N O5



IT 158062-67-0D, Flonicamid, mixts. with anthranilic acid amines  
 382608-10-8D, mixts. with anthranilic acid amines  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic insecticidal and acaricidal compns.)  
 RN 158062-67-0 HCAPLUS  
 CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX  
 NAME)



RN 382608-10-8 HCAPLUS  
 CN Carbonic acid, 3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

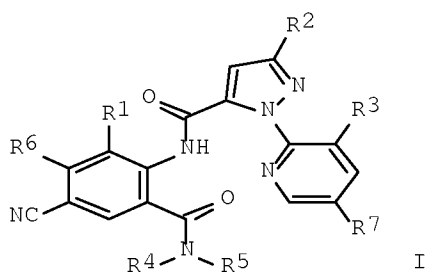
L30 ANSWER 31 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2004:648522 HCAPLUS Full-text  
 DOCUMENT NUMBER: 141:190786  
 TITLE: Preparation of cyano anthranilamide insecticides  
 INVENTOR(S): Hughes, Kenneth Andrew; Lahm, George Philip; Selby,  
 Thomas Paul; Stevenson, Thomas Martin  
 PATENT ASSIGNEE(S): E.I. Du Pont De Nemours and Company, USA  
 SOURCE: PCT Int. Appl., 63 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004067528	A1	20040812	WO 2004-US3568	20040121
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
AU 2004207848	A1	20040812	AU 2004-207848	20040121



CA 2512242	A1	20040812	CA 2004-2512242	20040121
EP 1599463	A1	20051130	EP 2004-704148	20040121
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
MD 2005000219	A	20051130	MD 2005-219	20040121
BR 2004006709	A	20051220	BR 2004-6709	20040121
JP 3764895	B1	20060412	JP 2005-518229	20040121
JP 2006515602	T	20060601		
CN 1829707	A	20060906	CN 2004-80002991	20040121
ZA 2005005310	A	20060927	ZA 2005-5310	20040121
NZ 541112	A	20080131	NZ 2004-541112	20040121
EG 23536	A	20060419	EG 2004-49	20040127
JP 2006028159	A	20060202	JP 2005-148184	20050520
JP 3770500	B2	20060426		
JP 2006290862	A	20061026	JP 2005-148201	20050520
US 20060111403	A1	20060525	US 2005-540966	20050629
US 7247647	B2	20070724		
MX 2005PA07924	A	20050930	MX 2005-PA7924	20050726
KR 2007036196	A	20070402	KR 2007-706234	20070319
US 20070264299	A1	20071115	US 2007-811105	20070608
PRIORITY APPLN. INFO.:			US 2003-443256P	P 20030128
			JP 2005-518229	A3 20040121
			WO 2004-US3568	W 20040121
			KR 2005-700059	A3 20050103
			US 2005-540966	A3 20050629

OTHER SOURCE(S): MARPAT 141:190786  
GI



AB The title compds. [I; R1 = Me, Cl, Br, F; R2 = F, Cl, Br, haloalkyl or haloalkoxy; R3 = F, Cl, Br; R4 = H, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, each optionally substituted with one substituent selected from the group consisting of halo, CN, SMe S(O)Me, S(O)2Me and OMe; R5 = H, Me; R6 = H, F, Cl; R7 = H, F, Cl], useful for controlling an invertebrate pest, were prepared E.g., a multi-step synthesis of compound I [R1 = Me; R2 = CF3; R3 = Cl; R4, R5 = H], was given. The compds. I were tested in various biol. tests (data given). This invention also pertains to a composition for controlling an invertebrate pest comprising a biol. effective amount of a compound I, an N-oxide thereof or a suitable salt of the compound I and at least one addnl. component selected from the group consisting of a surfactant, a solid diluent and a liquid diluent.

IC ICM C07D401-04

CC 28-8 (Heterocyclic Compounds (More Than One Hetero Atom))  
Section cross-reference(s): 5

IT Insecticides

(preparation of cyano anthranilamide insecticides for use in combination with other biol. active compds.)

IT 52-68-6, Trichlorfon 56-38-2, Parathion 60-51-5, Dimethoate 72-43-5, Methoxychlor 83-79-4, Rotenone 86-50-0, Azinphosmethyl 108-62-3, Metaldehyde 115-29-7, Endosulfan 115-32-2, Dicofof 116-06-3, Aldicarb 121-75-5, Malathion 298-00-0, Parathionmethyl 298-02-2, Phorate 333-41-5, Diazinon 510-15-6, Chlorobenzilate 732-11-6, Phosmet 950-37-8, Methidathion 1563-66-2, Carbofuran 2227-17-0, Dienochlor 2310-17-0, Phosalone 2312-35-8, Propargite 2439-01-2, Chinomethionat 2921-88-2, Chlorpyrifos 5598-13-0, Chlorpyrifosmethyl 6923-22-4, Monocrotophos 10265-92-6, Methamidophos 11141-17-6, Azadirachtin 13071-79-9, Terbufos 13121-70-5, Cyhexatin 13171-21-6, Phosphamidon 13356-08-6, Fenbutatin oxide 16752-77-5, Methomyl 22224-92-6, Fenamiphos 22248-79-9, Tetrachlorvinphos 23103-98-2, Pirimicarb 23135-22-0, Oxamyl 25311-71-1, Isofenphos 30560-19-1, Acephate 33089-61-1, Amitraz 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos 39515-41-8, Fenpropathrin 40596-69-8, Methoprene 41198-08-7, Profenofos 51630-58-1, Fenvalerate 52207-48-4, Thiosultapsodium 52315-07-8, Cypermethrin 52645-53-1, Permethrin 52918-63-5, Deltamethrin 59669-26-0, Thiodicarb 62850-32-2, Fenothiocarb 63837-33-2, Diofenolan 64628-44-0, Triflumuron 66215-27-8, Cyromazine 66230-04-4, Esfenvalerate 66841-25-6, Tralomethrin 68085-85-8, Cyhalothrin 68359-37-5, Beta-Cyfluthrin 69327-76-0, Buprofezin 70124-77-5, Flucythrinate 71422-67-8, Chlorfluazuron 71751-41-2, Abamectin 72490-01-8, Fenoxycarb 73989-17-0, Avermectin 76703-62-3 78587-05-0, Hexythiazox 79538-32-2, Tefluthrin 80060-09-9, Diafenthiuron 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 84466-05-7, Amidoflumet 86479-06-3, Hexaflumuron 91465-08-6 95737-68-1, Pyriproxyfen 96489-71-3, Pyridaben 101463-69-8, Flufenoxuron 102851-06-9, Taufluvalinate 103055-07-8, Lufenuron 111988-49-9, Thiacloprid 112226-61-6, Halofenozide 112410-23-8, Tebufenozide 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad 119791-41-2, Emamectin 120068-37-3, Fipronil 120928-09-8, Fenazaquin 121451-02-3, Noviflumuron 122453-73-0, Chlorfenapyr 123312-89-0, Pymetrozine 129558-76-5, Tolfeipyrad 134098-61-6, Fenpyroximate 135410-20-7, Acetamiprid 138261-41-3, Imidacloprid 143807-66-3, Chromafenozide 149877-41-8, Bifenazate 153233-91-1, Etoazole 153719-23-4, Thiamethoxam 158062-67-0, Flonicamid 161050-58-4, Methoxyfenozide 165252-70-0, Dinotefuran 170015-32-4, Flufenerim 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl 181587-01-9, Ethiprole 201593-84-2, Bistrifluron 209861-58-5, Acetoprole 210880-92-5, Clothianidin 223419-20-3, Profluthrin 240494-70-6, Metofluthrin 283594-90-1, Spiromesifen

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(co-administration; preparation of cyano anthranilamide insecticides for

use

in combination with other biol. active compds.)

IT	500011-03-0P	736994-59-5P	736994-60-8P	736994-61-9P	736994-62-0P
	736994-63-1P	736994-64-2P	736994-65-3P	736994-66-4P	736994-67-5P
	736994-68-6P	736994-69-7P	736994-70-0P	736994-71-1P	736994-72-2P
	736994-73-3P	736994-74-4P	736994-75-5P	736994-76-6P	736994-77-7P
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of cyano anthranilamide insecticides)

IT 4389-45-1P 14339-33-4P 14521-80-3P 101012-31-1P 438450-38-5P  
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 736995-64-5P 736995-65-6P 736995-66-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of cyano anthranilamide insecticides)

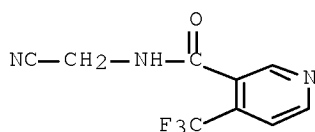
IT 158062-67-0, Flonicamid

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(co-administration; preparation of cyano anthranilamide insecticides for use in combination with other biol. active compds.)

RN 158062-67-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



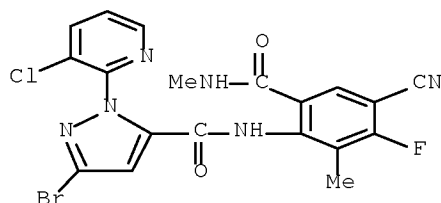
IT 736995-51-0P 736995-52-1P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of cyano anthranilamide insecticides)

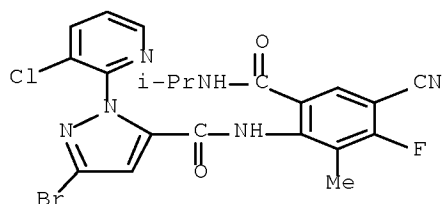
RN 736995-51-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-3-fluoro-2-methyl-6-[(methylamino)carbonyl]phenyl]- (CA INDEX NAME)



RN 736995-52-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-3-fluoro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]- (CA INDEX NAME)



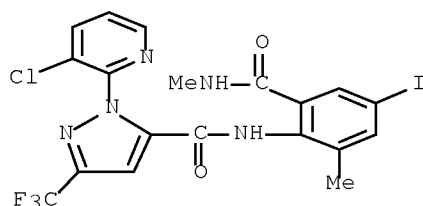
IT 500008-69-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of cyano anthranilamide insecticides)

RN 500008-69-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



L30 ANSWER 32 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:242097 HCAPLUS Full-text

DOCUMENT NUMBER: 138:267201

TITLE: Pesticidal compositions for coating plant propagation material containing anthranilamides

INVENTOR(S): Berger, Richard Alan; Flexner, John Lindsey

PATENT ASSIGNEE(S): E. I. Du Pont de Nemours &amp; Co., USA

SOURCE: PCT Int. Appl., 147 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003024222	A1	20030327	WO 2002-US30302	20020910
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,  
 UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,  
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF,  
 CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

TW 283164	B	20070701	TW 2002-91118199	20020813
CA 2458163	A1	20030327	CA 2002-2458163	20020910
AU 2002341819	B9	20030401	AU 2002-341819	20020910
AU 2002341819	A1	20030401		
AU 2002341819	B2	20070719		
EP 1427285	A1	20040616	EP 2002-775972	20020910
EP 1427285	B1	20070822		

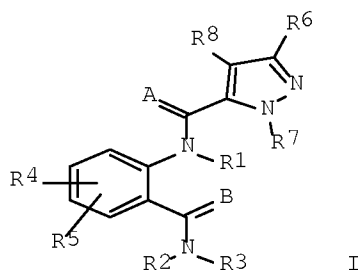
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BR 2002012993	A	20040817	BR 2002-12993	20020910
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JP 3770495	B2	20060426		
HU 2004001893	A2	20050128	HU 2004-1893	20020910
HU 2004001893	A3	20051128		
NZ 532269	A	20051028	NZ 2002-532269	20020910
CN 1713819	A	20051228	CN 2002-818578	20020910
RU 2292138	C2	20070127	RU 2004-111986	20020910
AT 370656	T	20070915	AT 2002-775972	20020910
ES 2291500	T3	20080301	ES 2002-775972	20020910
ZA 2004000413	A	20050120	ZA 2004-413	20040120
US 20040209923	A1	20041021	US 2004-485125	20040126
IN 2004MN00090	A	20070706	IN 2004-MN90	20040205
MX 2004PA02648	A	20040607	MX 2004-PA2648	20040319
KR 783260	B1	20071206	KR 2004-704134	20040320
IN 2005MN00443	A	20050930	IN 2005-MN443	20050517

PRIORITY APPLN. INFO.:

US 2001-323941P	P	20010921
WO 2002-US30302	W	20020910

OTHER SOURCE(S): MARPAT 138:267201  
 GI



AB An invertebrate pest control composition for coating a propagule comprises (1) a biol. effective amount of an anthranilamide compds. I (Markush included), an N-oxide thereof or an agriculturally suitable salt thereof, and (2) a film former or adhesive agent. Arthropodicidal composition containing anthranilamide compds. I may further comprise addnl. biol. active compds. selected from arthropodicides of the group consisting of pyrethroids,

carbamates, neonicotinoids, neuronal sodium channel blockers, insecticidal macrocyclic lactones,  $\gamma$ -aminobutyric acid (GABA) antagonists, insecticidal ureas, and juvenile hormone mimics, and fungicides. The propagule is a seed of cotton, maize, soybean, rice, etc., or a rhizome, tuber, bulb or corm, or viable division thereof, of potato, sweet potato, garden onion, tulip, daffodil, crocus hyacinth, etc., or is a stem or leaf cutting.

IC ICM A01N043-56

CC 5-4 (Agrochemical Bioregulators)

Section cross-reference(s): 28

IT Insecticides

(carbamate; in pesticidal compns. for plant propagation material containing anthranilamides)

IT Insecticides

(neonicotinoid; in pesticidal compns. for plant propagation material containing anthranilamides)

IT	500005-72-1	500005-73-2	500005-74-3	500005-75-4	500005-76-5
	500005-77-6	500005-78-7	500005-79-8	500005-80-1	500005-81-2
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	500005-88-9	500005-89-0	500005-90-3	500005-94-7	500005-95-8
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 500008-53-7 500008-54-8

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(anthranilamide compds. as pesticides for plant propagation material)

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RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(anthranilamide compds. as pesticides for plant propagation material)

IT	500011-26-7	500011-27-8	500011-28-9	500011-29-0	500011-31-4
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	503163-52-8	503163-54-0	503163-56-2	503163-66-4	

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(anthranilamide compds. as pesticides for plant propagation material)

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	500007-18-1	<del>500007-19-2</del>	500007-22-7	500007-98-7	
	500007-99-8	500008-13-9	500009-19-8	500009-22-3	500009-24-5
	500009-70-1	500009-71-2	500009-72-3	500009-73-4	500009-74-5
	500009-75-6	500009-76-7	500009-85-8	500010-66-2	500011-03-0
	500011-09-6	500011-30-3	<del>500011-32-5</del>	<del>500011-33-6</del>	
	<del>500011-35-8</del>	500011-36-9	<del>500011-65-4</del>		
	<del>500011-66-5</del>	500011-67-6	<del>500011-68-7</del>	500011-69-8	
	500011-70-1	500011-71-2	500011-72-3	500011-73-4	500011-74-5
	500011-75-6	<del>500011-76-7</del>	<del>500011-77-8</del>	500011-78-9	
	<del>500011-79-0</del>	<del>503163-58-4</del>	503163-61-9	503163-64-2	

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)

(anthranilamide compds. as pesticides for plant propagation material)

IT	52-68-6	56-38-2	57-13-6D, Urea, derivs.	60-51-5, Dimethoate	
	72-43-5	76-87-9, Fentin hydroxide	83-79-4	86-50-0, Azinphos-methyl	
	99-30-9, Dicloran	108-62-3	115-29-7	115-32-2	116-06-3
	121-75-5				
	133-06-2, Captan	133-07-3, Folpet	137-26-8, Thiram	148-79-8,	
	Thiabendazole	298-00-0	298-02-2	333-41-5, Diazinon	510-15-6
	732-11-6	900-95-8, Fentin acetate	944-22-9	950-37-8	1332-40-7,
	Copper oxychloride	1563-66-2, Carbofuran	1897-45-6, Chlorothalonil		
	2079-00-7, Blastocidin-S	2227-17-0	2310-17-0	2312-35-8	2425-06-1,
	Captafol	2439-01-2	2439-10-3, Dodine	2675-77-6, Chloroneb	
	2921-88-2, Chlorpyrifos	5598-13-0, Chlorpyrifos-methyl	6585-53-1,		
	Ferric methanearsonate	6923-22-4	6980-18-3, Kasugamycin	7440-50-8D,	
	Copper, salts	7704-34-9, Sulfur, biological studies	8011-63-0,		
	Bordeaux mixture	8018-01-7, Mancozeb	10265-92-6	10605-21-7,	
	Carbendazim	11141-17-6, Azadirachtin	12427-38-2, Maneb	13071-79-9	
	13121-70-5	13171-21-6	13356-08-6	16752-77-5	17109-49-8, Edifenphos
	17804-35-2, Benomyl	22224-92-6	22248-79-9	23103-98-2	23135-22-0
	23564-05-8, Thiophanate-methyl	24579-73-5, Propamocarb	25311-71-1		
	26087-47-8, Iprobenfos	27605-76-1, Probenazole	30560-19-1, Acephate		
	33089-61-1	35367-38-5, Diflubenzuron	35400-43-2	36734-19-7,	
	Iprodione	39148-24-8, Fosetylaluminum	39515-41-8	40596-69-8	
	41198-08-7	41814-78-2, Tricyclazole	43121-43-3, Triadimefon		
	50471-44-8, Vinclozolin	50512-35-1, Isoprothiolane	50642-14-3,		
	Validamycin	51630-58-1	52207-48-4	52315-07-8, Cypermethrin	



52645-53-1 52918-63-5, Deltamethrin 53112-28-0, Pyrimethanil  
 55219-65-3, Triadimenol 55814-41-0, Mepronil 57369-32-1, Pyroquilon  
 57646-30-7, Furalaxyl 57837-19-1, Metalaxyl 57966-95-7, Cymoxanil  
 58842-20-9 59669-26-0 60168-88-9, Fenarimol 60207-90-1,  
 Propiconazole 62850-32-2 62865-36-5, Diclomezine 63837-33-2,  
 Diofenolan 64628-44-0 66063-05-6, Pencycuron 66215-27-8, Cyromazine  
 66230-04-4 66246-88-6, Penconazole 66332-96-5, Flutolanil 66841-25-6  
 67306-00-7, Fenpropidin 67564-91-4, Fenpropimorph 67747-09-5,  
 Prochloraz 68085-85-8, Cyhalothrin 68359-37-5, Cyfluthrin  
 69327-76-0, Buprofezin 70124-77-5 70630-17-0, Mefenoxam 71422-67-8,  
 Chlorfluazuron 71751-41-2, Abamectin 72490-01-8 73989-17-0,  
 Avermectin 74738-17-3, Fenpiclonil 76674-21-0, Flutriafol  
 77732-09-3, Oxadixyl 78587-05-0 79538-32-2 79622-59-6, Fluazinam  
 79983-71-4, Hexaconazole 80060-09-9, Diafenthiuron 82657-04-3,  
 Bifenthrin 83121-18-0 83657-18-5, Diniconazole-M 83657-24-3,  
 Diniconazole 84466-05-7, Amidoflumet 85509-19-9, Flusilazole  
 86479-06-3 88283-41-4, Pyrifenox 88671-89-0, Myclobutanil 91465-08-6  
 94361-06-5, Cyproconazole 95737-68-1 96489-71-3 101463-69-8  
 102851-06-9 103055-07-8 104030-54-8, Carpropamid 107534-96-3,  
 Tebuconazole 110488-70-5, Dimethomorph 111988-49-9 112226-61-6  
 112281-77-3, Tetraconazole 112410-23-8 114369-43-6, Fenbuconazole  
 116255-48-2, Bromuconazole 116714-46-6 118134-30-8, Spiroxamine  
 119168-77-3 119446-68-3, Difenconazole 119791-41-2, Eamectin  
 120068-37-3 120928-09-8 121451-02-3 121552-61-2, Cyprodinil  
 122453-73-0, Chlorfenapyr 123312-89-0 123572-88-3, Furametpyr  
 124495-18-7, Quinoxifen 125116-23-6, Metconazole 125225-28-7,  
 Ipconazole 126448-41-7, Acibenzolar 130000-40-7, Thifluzamide  
 131341-86-1, Fludioxonil 131807-57-3, Famoxadone 131860-33-8,  
 Azoxystrobin 131983-72-7, Triticonazole 133408-50-1, Metominostrobin  
 133855-98-8, Epoxiconazole 134098-61-6 135410-20-7, Acetamiprid  
 136426-54-5, Fluquinconazole 138261-41-3 139920-32-4, Diclocymet  
 140923-17-7, SZX0722 141517-21-7, Trifloxystrobin 143390-89-0,  
 Kresoxim-methyl 143807-66-3, Chromafenozide 149877-41-8, Bifenazate  
 149961-52-4, Dimoxystrobin 153233-91-1 153719-23-4 154025-04-4,  
 Flumetover 156052-68-5, RH 7281 158062-67-0 161050-58-4  
 161326-34-7 168316-95-8, Spinosad 170015-32-4 173584-44-6  
 175013-18-0, Pyraclostrobin 178928-70-6, Prothioconazole 179101-81-6  
 180409-60-3, Cyflufenamid 181587-01-9 188425-85-6, Nicobifen  
 189278-12-4, Proquinazid 210880-92-5, Clothianidin 211867-47-9,  
 SYP-L190 220899-03-6, Metrafenone 223580-51-6, Tiadinil 248593-16-0,  
 Orysastrobin 283594-90-1 361377-29-9, Fluoxastrobin  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(in pesticidal compns. for plant propagation material containing  
 anthranilamides)

IT 362637-53-4P 362637-70-5P 362638-30-0P 362639-62-1P  
 438450-41-0P, N-[4-Chloro-2-methyl-6-[(methylamino)carbonyl]phenyl  
 ]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide  
 500008-00-4P 500008-44-6P 500008-45-7P  
 500008-60-6P 500008-62-8P 500010-10-6P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN  
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation of anthranilamide compds. as pesticides for plant propagation  
 material)

IT 500007-01-2 500007-27-2 500007-28-3  
 500007-29-4 500007-30-7 500007-33-0  
 500007-34-1 500007-35-2 500007-38-5  
 500007-42-1 500007-45-4 500007-46-5  
 500007-47-6 500007-48-7 500007-58-9

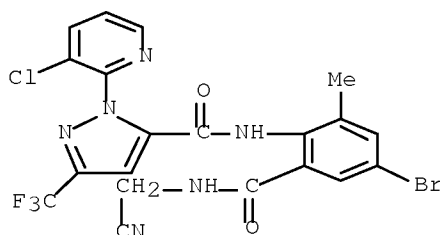
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 500007-78-3 500007-80-7 500007-81-8  
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 500008-03-7 500008-23-1 500008-25-3  
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 500008-41-3 500008-42-4 500008-47-9  
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 500010-21-9 500010-43-5 500010-44-6  
 500010-45-7 500010-63-9 500010-64-0  
 500011-53-0

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(anthranilamide compds. as pesticides for plant propagation material)

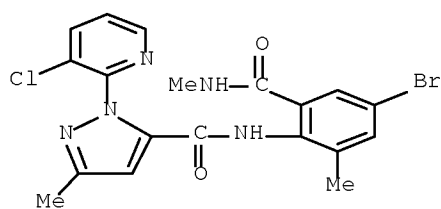
RN 500007-01-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[[ (cyanomethyl) amino] carbonyl]-6-  
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 NAME)



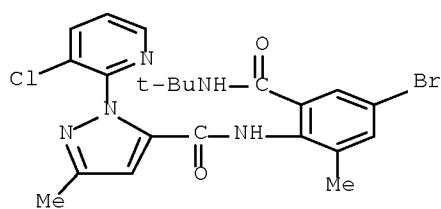
RN 500007-27-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-  
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 INDEX NAME)



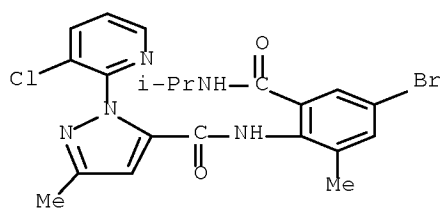
RN 500007-28-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-methyl- (CA INDEX NAME)



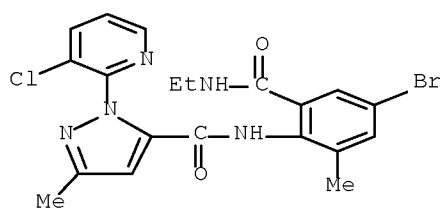
RN 500007-29-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-methyl- (CA INDEX NAME)



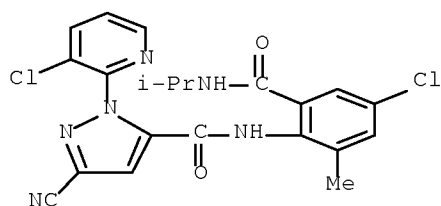
RN 500007-30-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-methyl- (CA INDEX NAME)



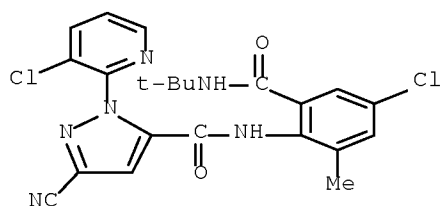
RN 500007-33-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[ (1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-cyano- (CA INDEX NAME)



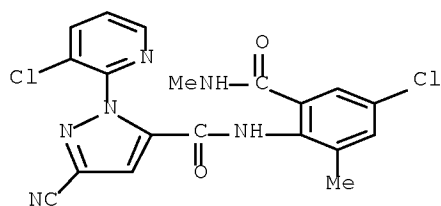
RN 500007-34-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[[ (1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-cyano- (CA INDEX NAME)



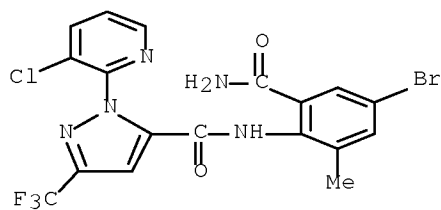
RN 500007-35-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-cyano- (CA INDEX NAME)



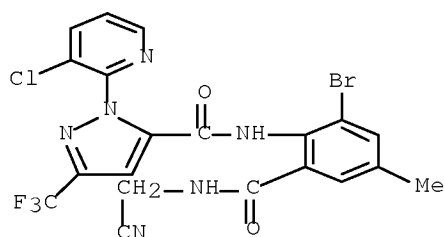
RN 500007-38-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-bromo-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



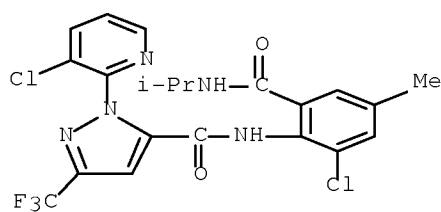
RN 500007-42-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-6-[[[(cyanomethyl)amino]carbonyl]-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



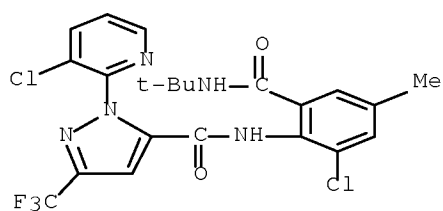
RN 500007-45-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-chloro-4-methyl-6-[[[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



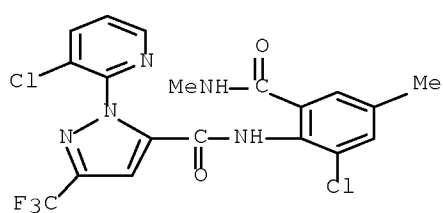
RN 500007-46-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-chloro-6-[[[(1,1-dimethylethyl)amino]carbonyl]-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



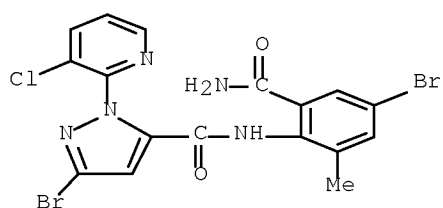
RN 500007-47-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-chloro-4-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



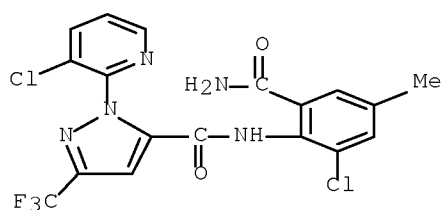
RN 500007-48-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-bromo-6-methylphenyl]-3-bromo-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



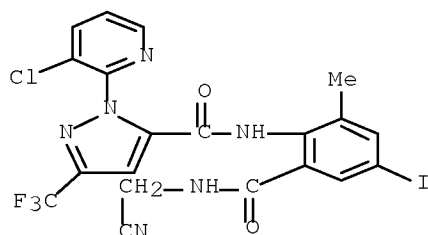
RN 500007-58-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-6-chloro-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



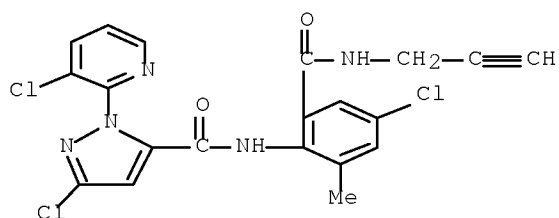
RN 500007-60-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-  
 [[ (cyanomethyl)amino]carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)-  
 (CA INDEX NAME)



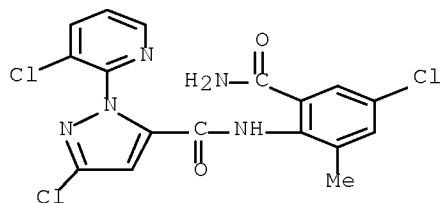
RN 500007-73-8 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-methyl-6-[(2-propyn-1-ylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



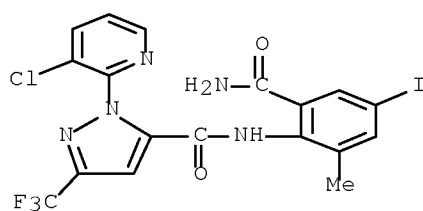
RN 500007-74-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-chloro-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



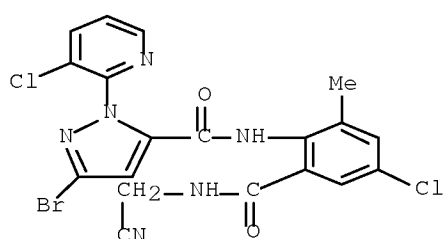
RN 500007-78-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-iodo-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



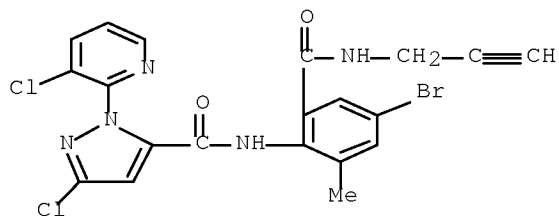
RN 500007-80-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-[(cyanomethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



RN 500007-81-8 HCAPLUS

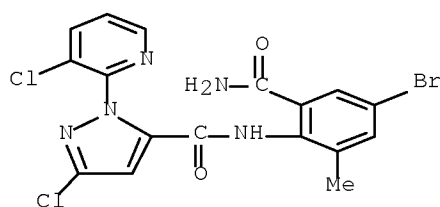
CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(2-propyn-1-ylamino)carbonyl]phenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



RN 500007-82-9 HCAPLUS

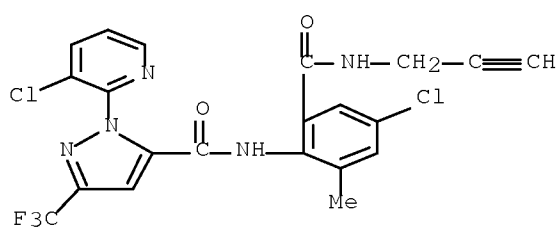
CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-bromo-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)





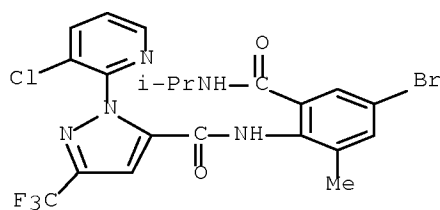
RN 500007-90-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(2-propyn-1-ylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-  
(CA INDEX NAME)



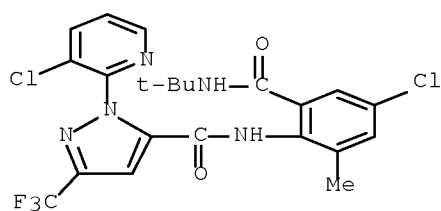
RN 500007-97-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-  
(CA INDEX NAME)



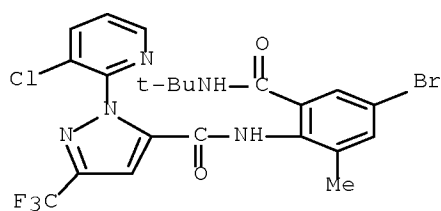
RN 500008-03-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[[1,1-dimethylethylamino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-  
(CA INDEX NAME)



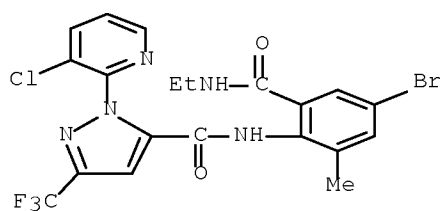
RN 500008-23-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



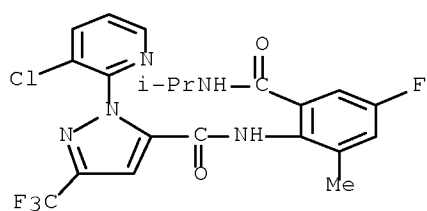
RN 500008-25-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



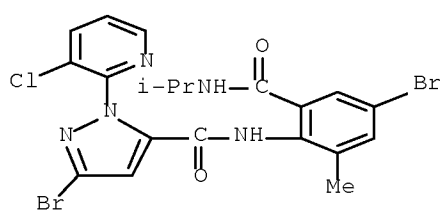
RN 500008-27-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



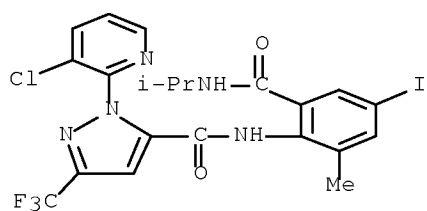
RN 500008-29-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



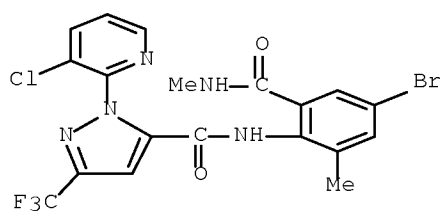
RN 500008-34-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



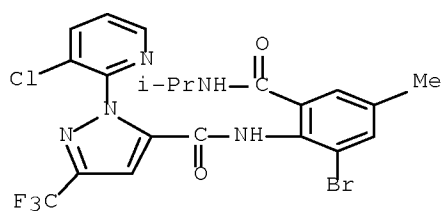
RN 500008-36-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



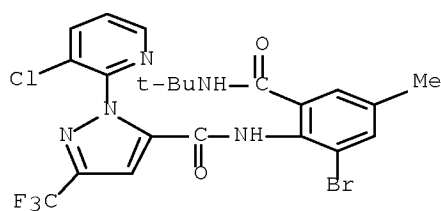
RN 500008-37-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-4-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



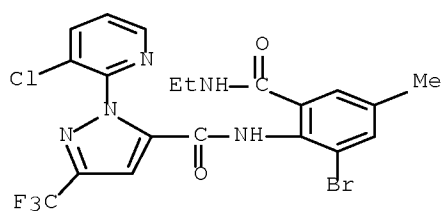
RN 500008-39-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-6-[[1,1-dimethylethyl]amino]carbonyl]-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



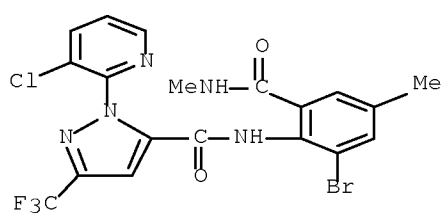
RN 500008-41-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-6-[(ethylamino)carbonyl]-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



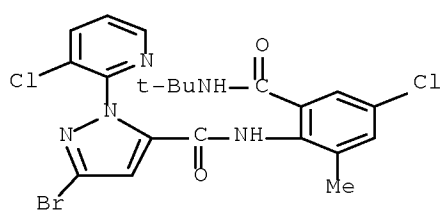
RN 500008-42-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-4-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



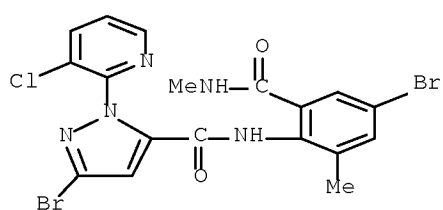
RN 500008-47-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-[[1,1-dimethylethyl]amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



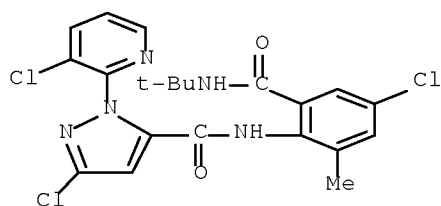
RN 500008-56-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



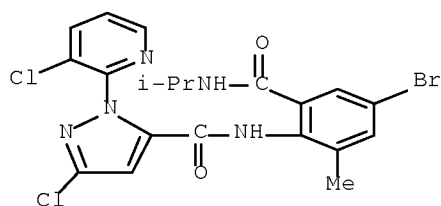
RN 500008-64-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-[[ (1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-  
(CA INDEX NAME)



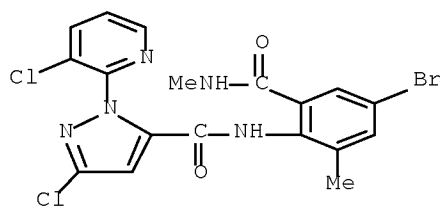
RN 500008-66-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[[ (1-methylethyl)amino]carbonyl]phenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



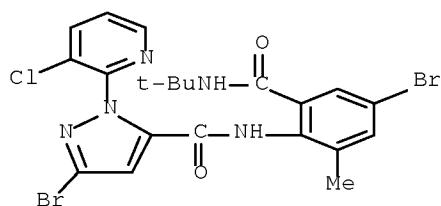
RN 500008-67-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



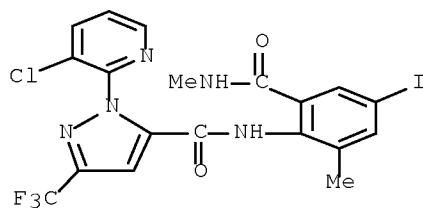
RN 500008-68-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-[[ (1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-  
(CA INDEX NAME)



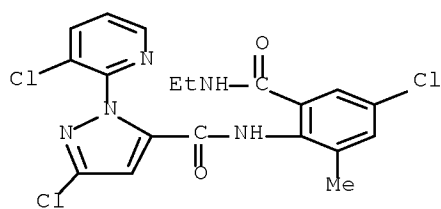
RN 500008-69-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



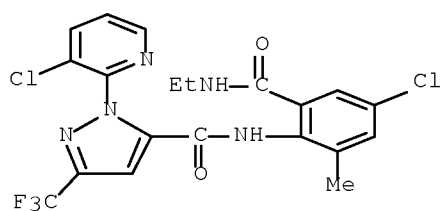
RN 500008-79-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



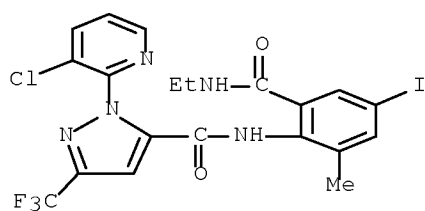
RN 500008-80-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



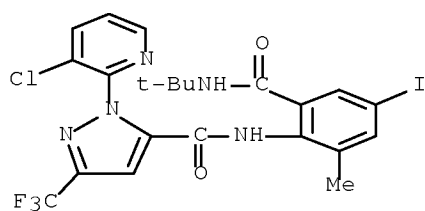
RN 500008-81-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



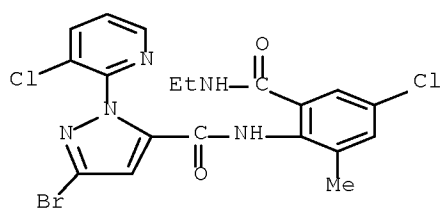
RN 500008-82-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[[1,1-dimethylethylamino]carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



RN 500008-84-4 HCAPLUS

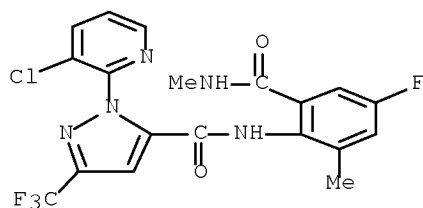
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)





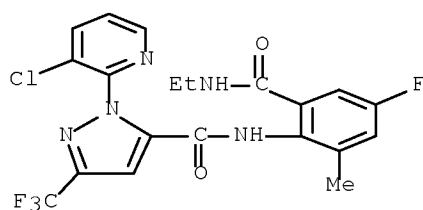
RN 500008-85-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



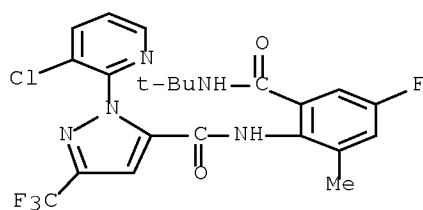
RN 500008-86-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-fluoro-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



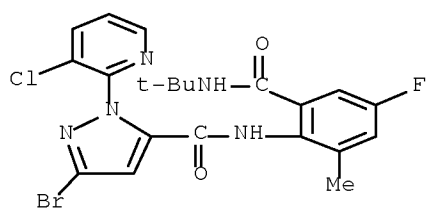
RN 500008-87-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[[[1,1-dimethylethyl)amino]carbonyl]-4-fluoro-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



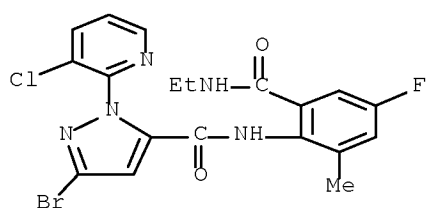
RN 500008-88-8 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[2-[[[1,1-dimethylethyl)amino]carbonyl]-4-fluoro-6-methylphenyl]- (CA INDEX NAME)



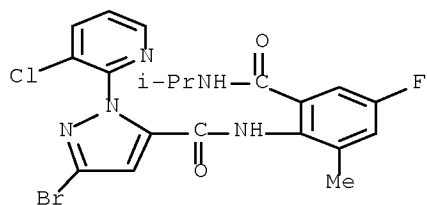
RN 500008-89-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-fluoro-6-methylphenyl]- (CA INDEX NAME)



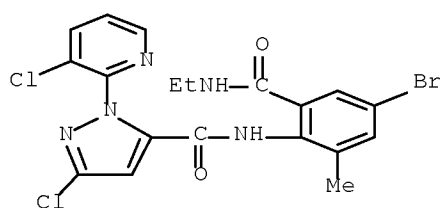
RN 500008-90-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]- (CA INDEX NAME)



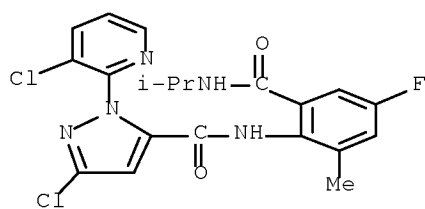
RN 500008-91-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



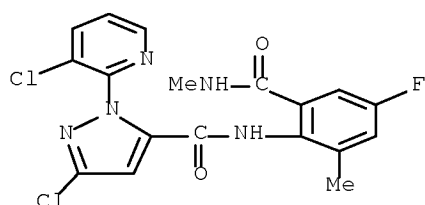
RN 500008-92-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]- (CA INDEX NAME)



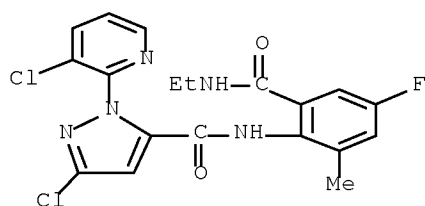
RN 500008-93-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-(methylamino)carbonyl]phenyl]- (CA INDEX NAME)



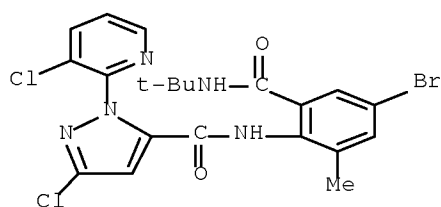
RN 500008-94-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-fluoro-6-methylphenyl]- (CA INDEX NAME)



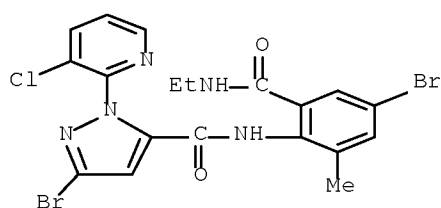
RN 500008-95-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[[[1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



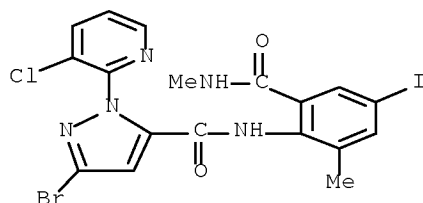
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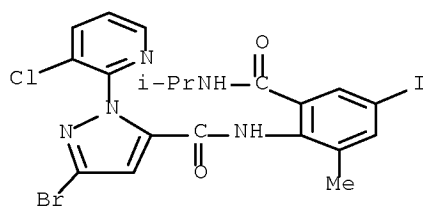
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CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(methylamino)carbonyl]phenyl]- (CA INDEX NAME)



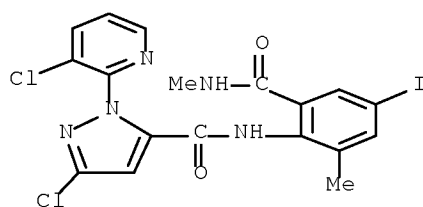
RN 500009-03-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]- (CA INDEX NAME)



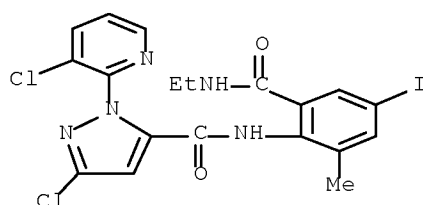
RN 500009-05-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(methylamino)carbonyl]phenyl]- (CA INDEX NAME)



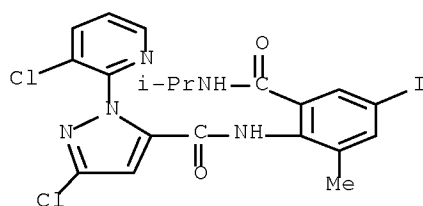
RN 500009-06-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-iodo-6-methylphenyl]- (CA INDEX NAME)



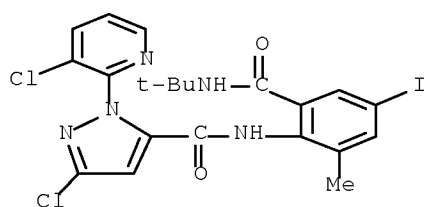
RN 500009-07-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]- (CA INDEX NAME)



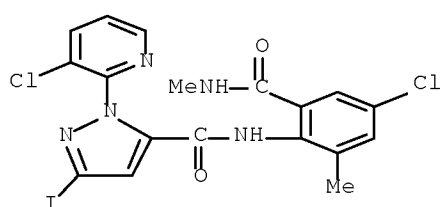
RN 500009-08-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2-[[1,1-dimethylethyl]amino]carbonyl]-4-iodo-6-methylphenyl]- (CA INDEX NAME)



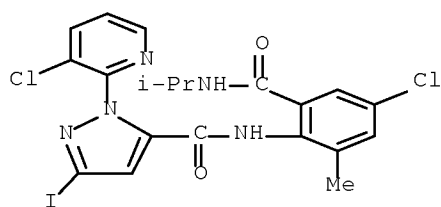
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-iodo- (CA INDEX NAME)



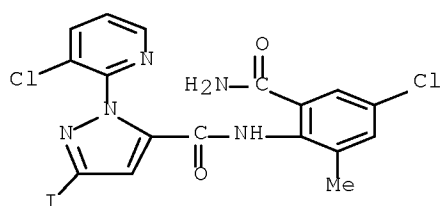
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-iodo- (CA INDEX NAME)



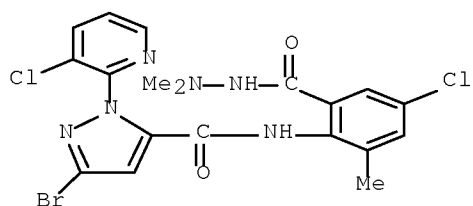
RN 500009-11-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-chloro-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-iodo- (CA INDEX NAME)



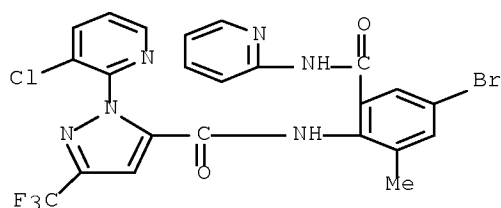
RN 500009-35-8 HCAPLUS

CN Benzoic acid, 2-[[[3-bromo-1-(3-chloro-2-pyridinyl)-1H-pyrazol-5-yl]carbonyl]amino]-5-chloro-3-methyl-, 2,2-dimethylhydrazide (CA INDEX NAME)



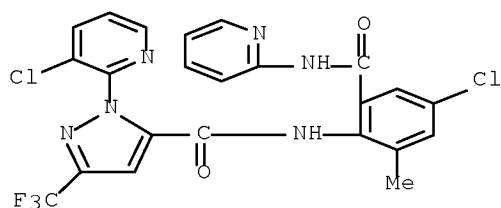
RN 500009-39-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(2-pyridinylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



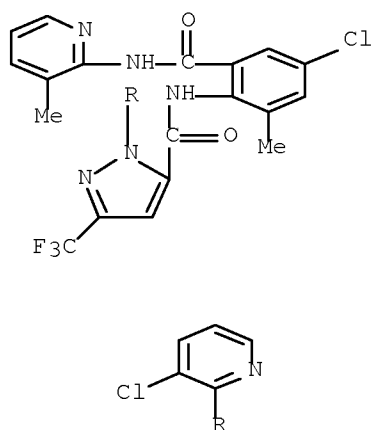
RN 500009-44-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(2-pyridinylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)

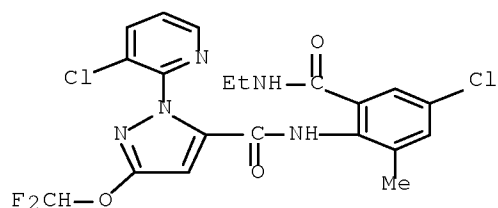


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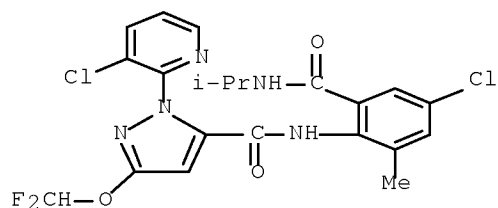
CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[[3-methyl-2-pyridinyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



RN 500009-55-2 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(difluoromethoxy)- (CA INDEX NAME)

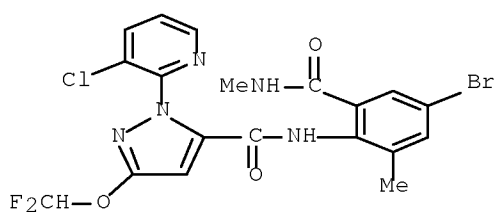


RN 500009-56-3 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[1-(methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(difluoromethoxy)- (CA INDEX NAME)



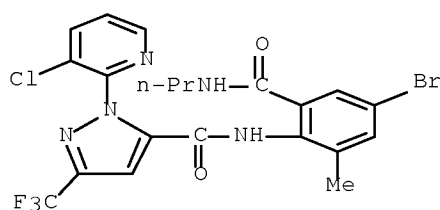
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 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(difluoromethoxy)- (CA INDEX NAME)





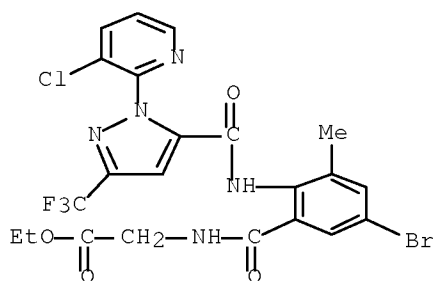
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CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(propylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



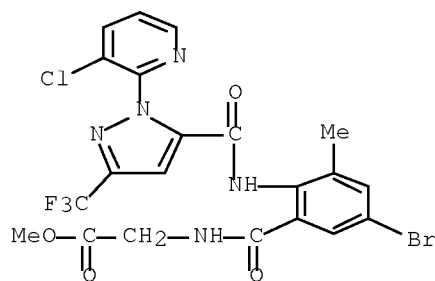
RN 500009-92-7 HCAPLUS

CN Glycine, N-[5-bromo-2-[[[1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]carbonyl]amino]-3-methylbenzoyl]-, ethyl ester (CA INDEX NAME)

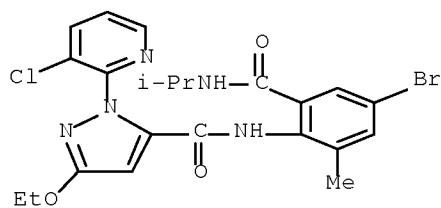


RN 500009-95-0 HCAPLUS

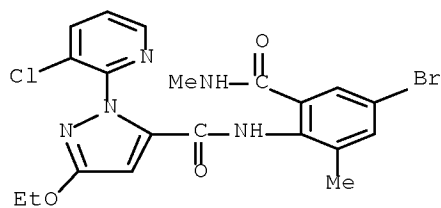
CN Glycine, N-[5-bromo-2-[[[1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]carbonyl]amino]-3-methylbenzoyl]-, methyl ester (CA INDEX NAME)



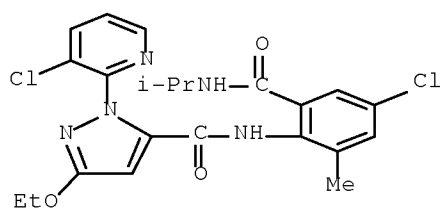
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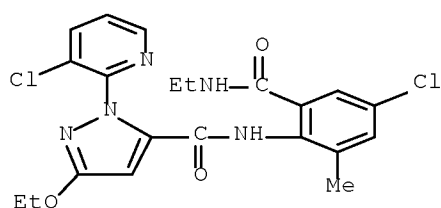


RN 500010-04-8 HCAPLUS



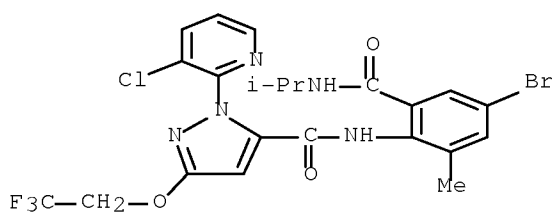
RN 500010-05-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-ethoxy- (CA INDEX NAME)



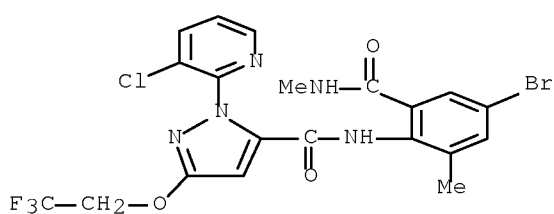
RN 500010-06-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[[1-methylethylamino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



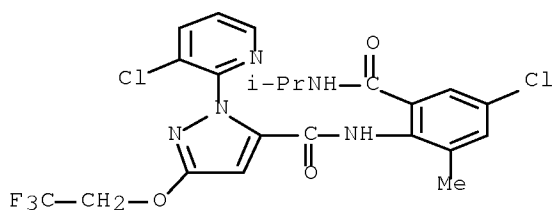
RN 500010-07-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



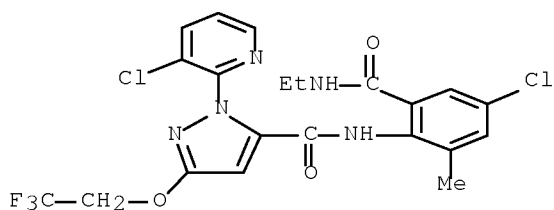
RN 500010-08-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[ (1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



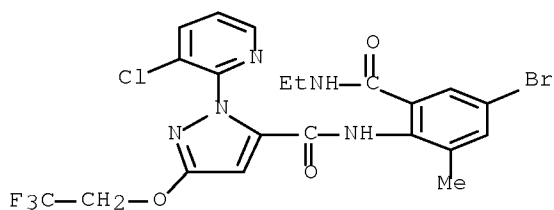
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



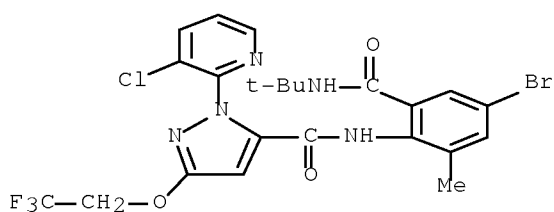
RN 500010-11-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



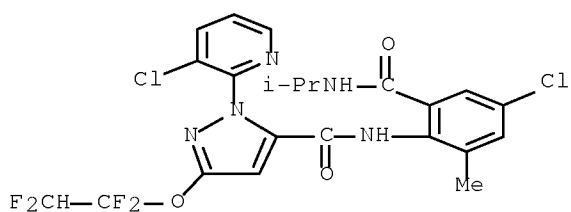
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CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[[ (1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



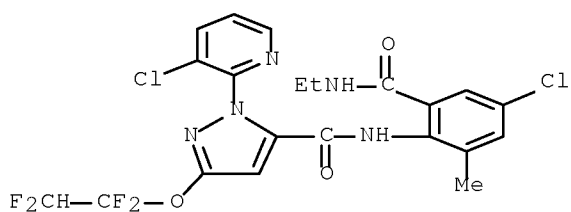
RN 500010-16-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



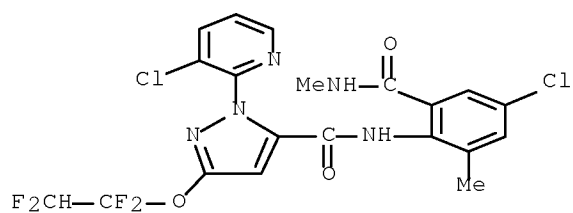
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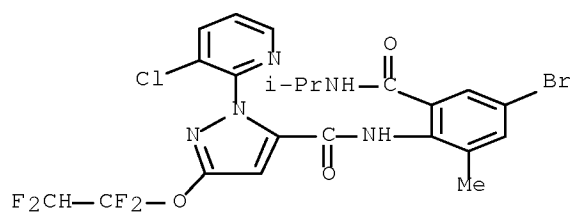
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



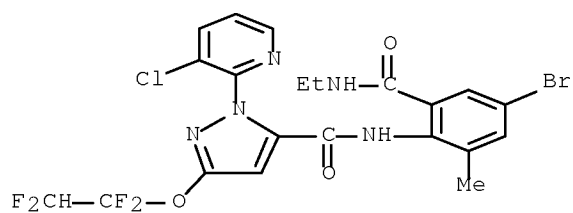
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CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



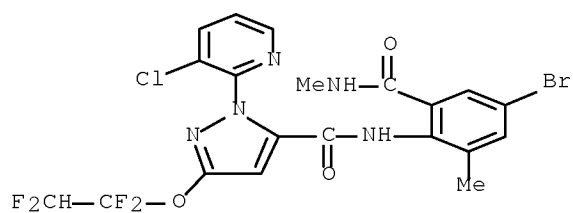
RN 500010-20-8 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



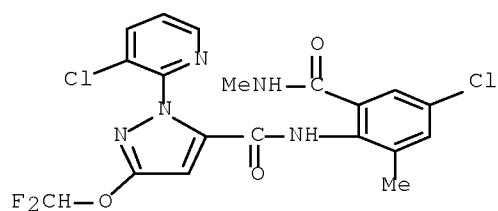
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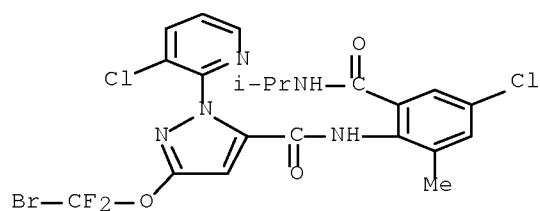
RN 500010-43-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-  
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(difluoromethoxy)- (CA INDEX NAME)



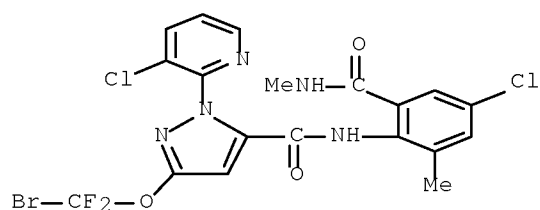
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CN 1H-Pyrazole-5-carboxamide, 3-(bromodifluoromethoxy)-N-[4-chloro-2-methyl-6-  
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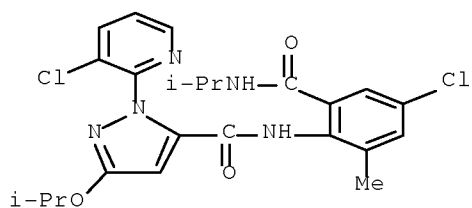
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CN 1H-Pyrazole-5-carboxamide, 3-(bromodifluoromethoxy)-N-[4-chloro-2-methyl-6-  
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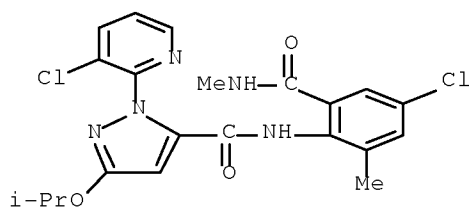
RN 500010-63-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1-methylethoxy)- (CA INDEX NAME)



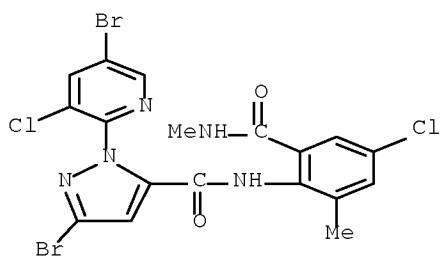
RN 500010-64-0 HCAPLUS

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RN 500011-53-0 HCAPLUS

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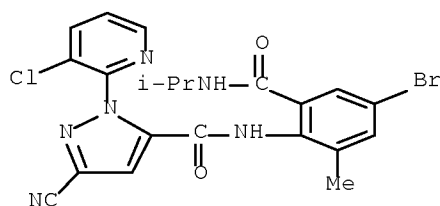
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(anthranilamide compds. as pesticides for plant propagation material)

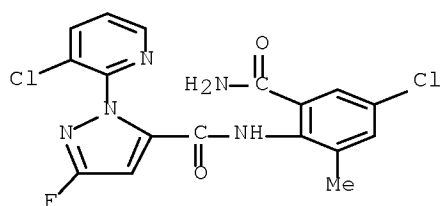
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CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[[1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-cyano- (CA INDEX NAME)



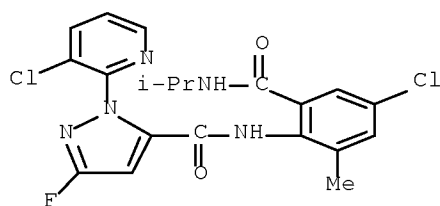
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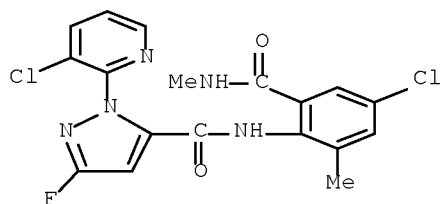
RN 500011-33-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-fluoro- (CA INDEX NAME)



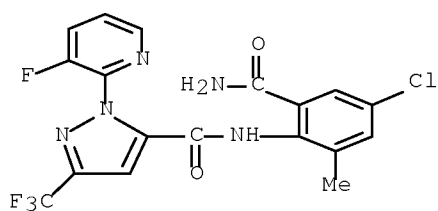
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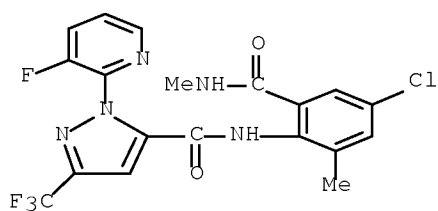
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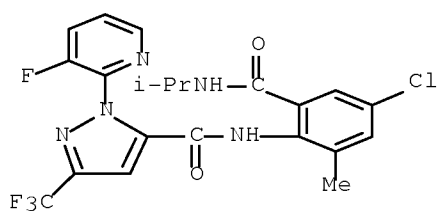
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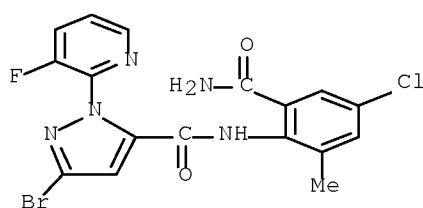
RN 500011-68-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[1-methylethyl)amino]carbonyl]phenyl]-1-(3-fluoro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



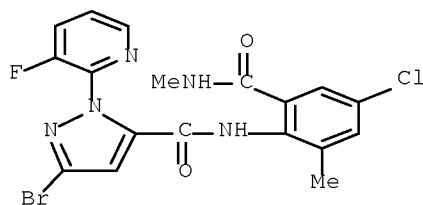
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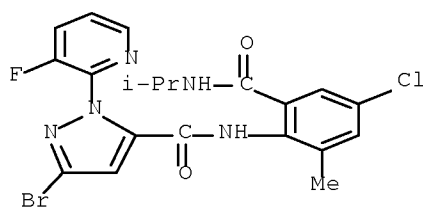
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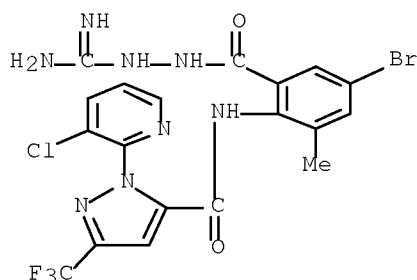
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CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-fluoro-2-pyridinyl)- (CA INDEX NAME)



RN 503163-58-4 HCAPLUS

CN Benzoic acid, 5-bromo-2-[[[1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]carbonyl]amino]-3-methyl-, 2-(aminoiminomethyl)hydrazide (CA INDEX NAME)

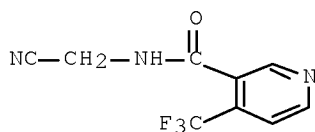


IT 158062-67-0

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(in pesticidal compns. for plant propagation material containing anthranilamides)

RN 158062-67-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



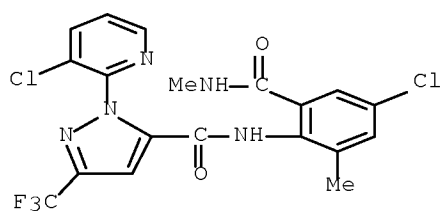
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500008-00-4P 500008-44-6P 500008-45-7P  
500008-60-6P 500008-62-8P 500010-10-6P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of anthranilamide compds. as pesticides for plant propagation material)

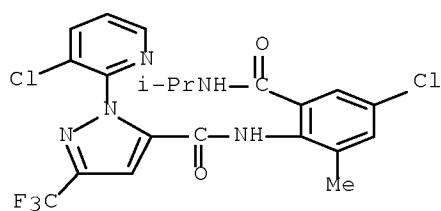
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



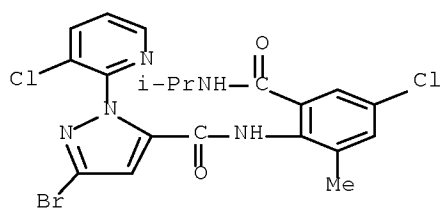
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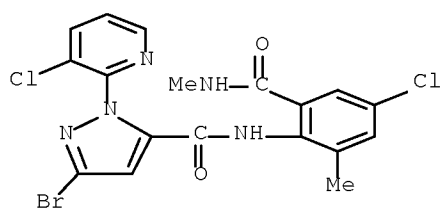
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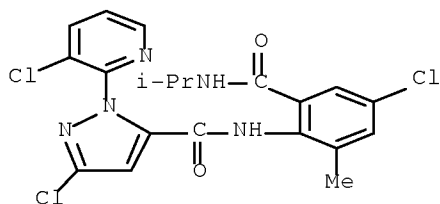


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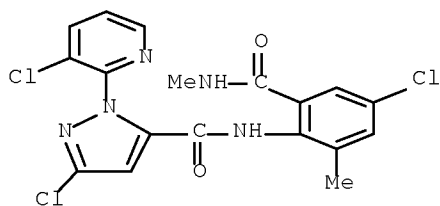
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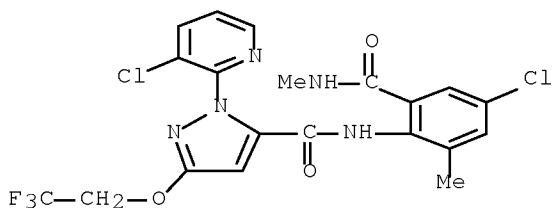
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RN 500008-62-8 HCAPLUS  
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RN 500010-10-6 HCAPLUS  
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REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 33 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:154155 HCAPLUS Full-text

DOCUMENT NUMBER: 138:200332  
 TITLE: Arthropodicidal anthranilamides  
 INVENTOR(S): Lahm, George Philip; Selby, Thomas Paul; Stevenson, Thomas Martin  
 PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA  
 SOURCE: PCT Int. Appl., 82 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

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			US 2002-369659P	P 20020402
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			JP 2003-520290	A3 20020813

WO 2002-US25615

W 20020813

US 2004-483168

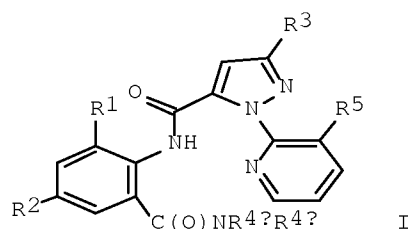
A3 20040107

IN 2004-MN15

A3 20040108

OTHER SOURCE(S): MARPAT 138:200332

GI



- AB Anthranilamides I (Markush included), their N-oxides and agriculturally suitable salts are prepared as arthropodicides for controlling invertebrate pests. Arthropodicidal compns. containing anthranilamides I may further include addnl. biol. active compds. or agents selected from arthropodicides of the group consisting of pyrethroids, carbamates, neonicotinoids, neuronal sodium channel blockers, insecticidal macrocyclic lactones,  $\gamma$ -aminobutyric acid (GABA) antagonists, insecticidal ureas, and juvenile hormone mimics, *Bacillus thuringiensis* sp. aizawai, *B. thuringiensis* sp. kurstaki, *B. thuringiensis* delta endotoxin, baculoviruses, and entomopathogenic bacteria, viruses and fungi.
- IC ICM A01N043-56  
ICS C07D401-04; C07D413-14
- CC 5-4 (Agrochemical Bioregulators)  
Section cross-reference(s): 28
- IT Insecticides  
(carbamates; in arthropodicidal compns. containing anthranilamide)
- IT Acaricides  
*Bacillus thuringiensis* aizawai  
*Bacillus thuringiensis* kurstaki  
Baculoviridae  
GABA antagonists  
Insecticides  
Nematocides  
Sodium channel blockers  
(in arthropodicidal compns. containing anthranilamide)
- IT Insecticides  
(neonicotinoid; in arthropodicidal compns. containing anthranilamide)
- IT 500007-97-6 500008-03-7 500008-04-8 500008-05-9  
500008-07-1 500008-14-0 500008-18-4 500008-19-5 500008-20-8  
500008-21-9 500008-23-1 500008-25-3  
500008-27-5 500008-29-7 500008-30-0 500008-32-2  
500008-34-4 500008-36-6 500008-47-9  
500008-49-1 500008-51-5 500008-53-7 500008-54-8 500008-55-9  
500008-56-0 500008-58-2 500008-59-3 500008-64-0  
500008-66-2 500008-67-3 500008-68-4  
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500008-79-7 500008-80-0 500008-81-1  
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 500011-19-8 500021-31-8 500021-32-9 500021-33-0  
 500021-35-2 500021-36-3 500021-37-4 500021-38-5 500021-39-6  
 500021-40-9 500021-41-0 500021-42-1

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(arthropodicidal anthranilamide)

IT 52-68-6, Trichlorfon 56-38-2, Parathion 60-51-5, Dimethoate 72-43-5,  
 Methoxychlor 83-79-4, Rotenone 86-50-0, Azinphos-methyl 108-62-3,  
 Metaldehyde 115-29-7, Endosulfan 115-32-2, Dicofol 116-06-3,  
 Aldicarb 121-75-5, Malathion 298-00-0, Parathion-methyl 298-02-2,  
 Phorate 333-41-5, Diazinon 510-15-6, Chlorobenzilate 732-11-6,  
 Phosmet 944-22-9, Fonophos 950-37-8, Methidathion 1563-66-2,  
 Carbofuran 2227-17-0, Dienochlor 2310-17-0, Phosalone 2312-35-8,  
 Propargite 2439-01-2, Chinomethionat 2921-88-2, Chlorpyrifos  
 5598-13-0, Chlorpyrifos-methyl 6923-22-4, Monocrotophos 10265-92-6,  
 Methamidophos 11141-17-6, Azadirachtin 13071-79-9, Terbufos  
 13121-70-5, Cyhexatin 13171-21-6, Phosphamidon 13356-08-6, Fenbutatin  
 oxide 16752-77-5, Methomyl 22224-92-6, Fenamiphos 22248-79-9,  
 Tetrachlorvinphos 23103-98-2, Pirimicarb 23135-22-0, Oxamyl  
 25311-71-1, Isofenphos 30560-19-1, Acephate 33089-61-1, Amitraz  
 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos 39515-41-8,  
 Fenpropathrin 40596-69-8, Methoprene 41198-08-7, Profenofos  
 51630-58-1, Fenvalerate 52207-48-4, Thiosultap-sodium 52315-07-8,  
 Cypermethrin 52645-53-1, Permethrin 52918-63-5, Deltamethrin  
 58842-20-9, Nithiazine 59669-26-0, Thiodicarb 62850-32-2, Fenothiocarb  
 63837-33-2, Diofenolan 64628-44-0, Triflumuron 66215-27-8, Cyromazine  
 66230-04-4, Esfenvalerate 66841-25-6, Tralomethrin 68085-85-8,  
 Cyhalothrin 68359-37-5, Cyfluthrin 69327-76-0, Buprofezin  
 70124-77-5, Flucythrinate 71422-67-8, Chlorfluazuron 71751-41-2,  
 Abamectin 72490-01-8, Fenoxycarb 73989-17-0, Avermectin 78587-05-0,  
 Hexythiazox 79538-32-2, Tefluthrin 80060-09-9, Diafenthiuron  
 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 84466-05-7,  
 Amidoflumet 86479-06-3, Hexaflumuron 91465-08-6 95737-68-1,  
 Pyriproxyfen 96489-71-3, Pyridaben 101463-69-8, Flufenoxuron  
 102851-06-9, Tau-fluvalinate 103055-07-8, Lufenuron 111988-49-9,  
 Thiocloprid 112226-61-6, Halofenozide 112410-23-8, Tebufenozide  
 116714-46-6, Novaluron 119791-41-2, Emamectin 120068-37-3, Fipronil  
 120928-09-8, Fenazaquin 121451-02-3, Noviflumuron 122453-73-0,  
 Chlorfenapyr 123312-89-0, Pymetrozine 134098-61-6, Fenpyroximate

135410-20-7, Acetamiprid 138261-41-3, Imidacloprid 143807-66-3,  
 Chromafenozide 149877-41-8, Bifenazate 153233-91-1, Etoxazole  
 153719-23-4, Thiamethoxam 158062-67-0, Flonicamid 161050-58-4,  
 Methoxyfenozide 168316-95-8, Spinosad 170015-32-4, Flufenimer  
 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl 181587-01-9, Ethiprole  
 210880-92-5, Clothianidin 283594-90-1, Spiromesifen

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(in arthropodicidal compns. containing anthranilamide)

IT 438450-41-0P, N-[4-Chloro-2-methyl-6-[(methylamino)carbonyl]phenyl  
 ]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide  
 500008-00-4P 500008-44-6P 500008-45-7P  
 500008-60-6P 500008-62-8P 500011-91-6P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN  
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation of arthropodicidal anthranilamide)

IT 500010-10-6P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of arthropodicidal anthranilamide)

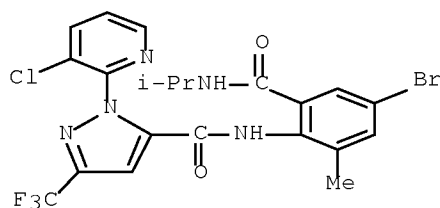
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 500009-07-4 500009-08-5 500010-06-0  
 500010-07-1 500010-08-2 500010-09-3  
 500010-11-7 500010-12-8 500021-33-0

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(arthropodicidal anthranilamide)

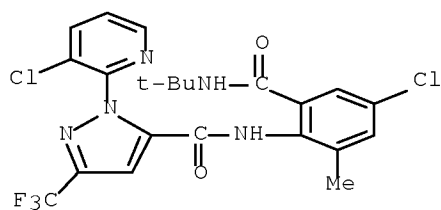
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CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[[1-(  
 methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-  
 (trifluoromethyl)- (CA INDEX NAME)



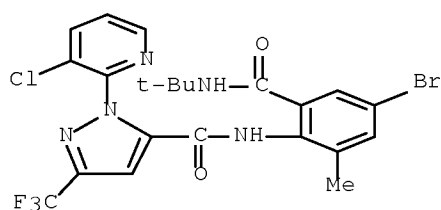
RN 500008-03-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[[1,1-  
 dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-  
 (trifluoromethyl)- (CA INDEX NAME)



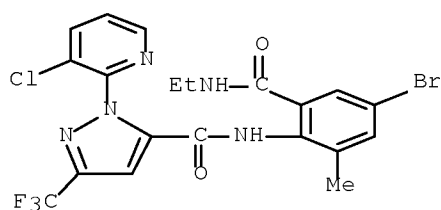
RN 500008-23-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



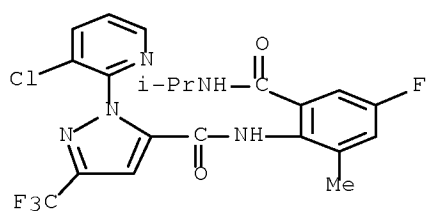
RN 500008-25-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



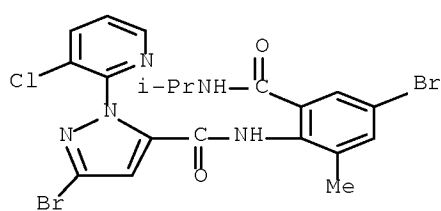
RN 500008-27-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



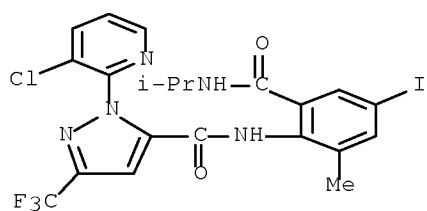
RN 500008-29-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



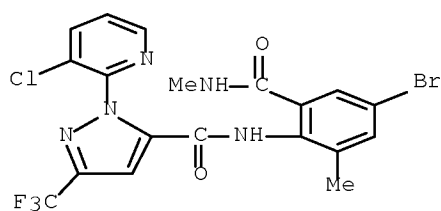
RN 500008-34-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



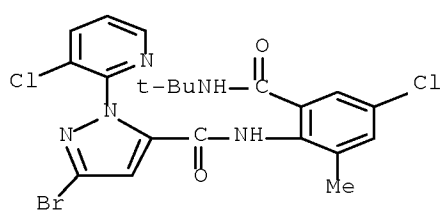
RN 500008-36-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



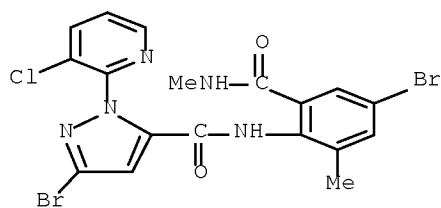
RN 500008-47-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-[[1,1-dimethylethyl]amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-  
(CA INDEX NAME)



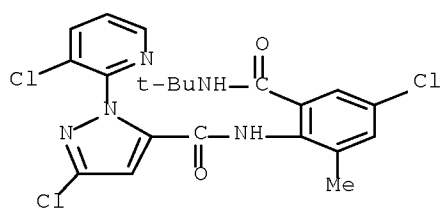
RN 500008-56-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-  
(CA INDEX NAME)



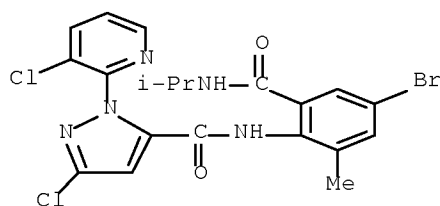
RN 500008-64-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-[[1,1-dimethylethyl]amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-  
(CA INDEX NAME)



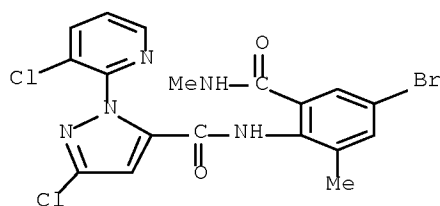
RN 500008-66-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[[1-(methylethyl)amino]carbonyl]phenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



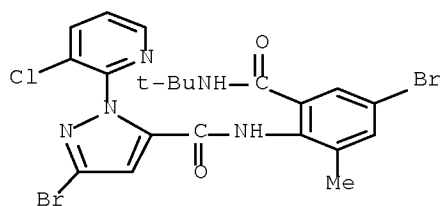
RN 500008-67-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



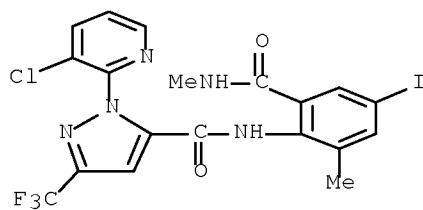
RN 500008-68-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-[[1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



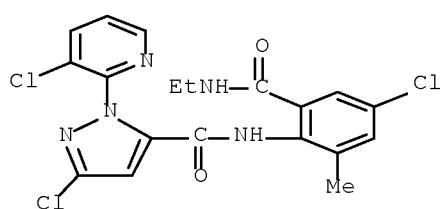
RN 500008-69-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



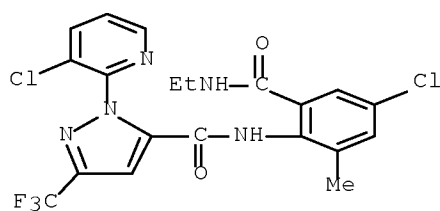
RN 500008-79-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



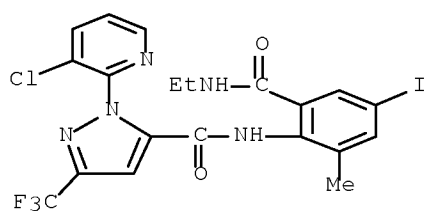
RN 500008-80-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



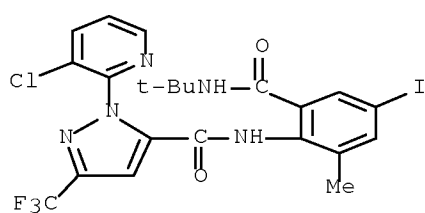
RN 500008-81-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



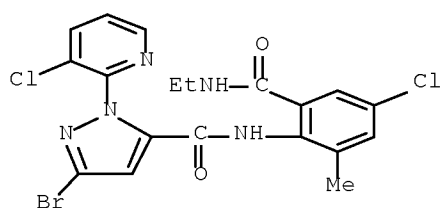
RN 500008-82-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(1,1-dimethylethyl)amino]carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)-  
(CA INDEX NAME)



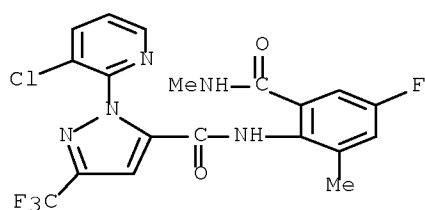
RN 500008-84-4 HCAPLUS

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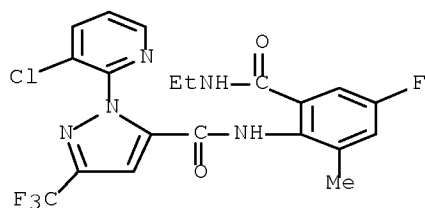
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CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)

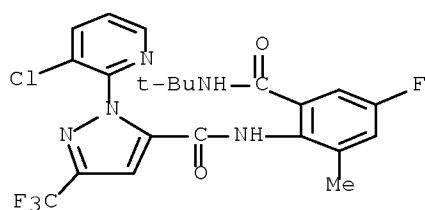




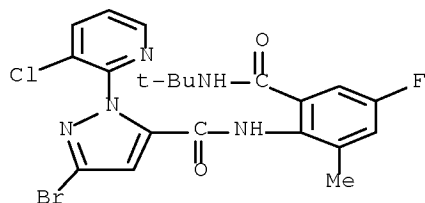
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 CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-  
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 INDEX NAME)



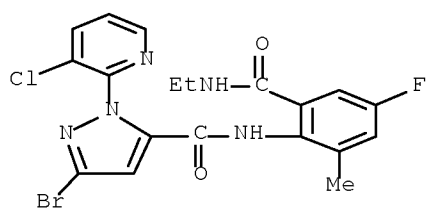
RN 500008-87-7 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[[ (1,1-  
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 (CA INDEX NAME)



RN 500008-88-8 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[2-[[ (1,1-  
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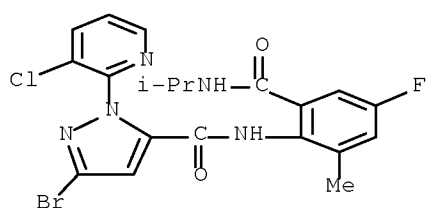


RN 500008-89-9 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[2-  
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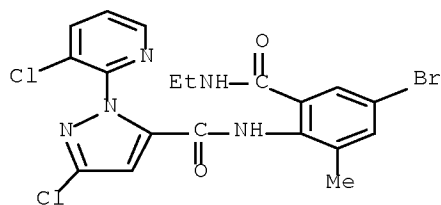
RN 500008-90-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl- (CA INDEX NAME)



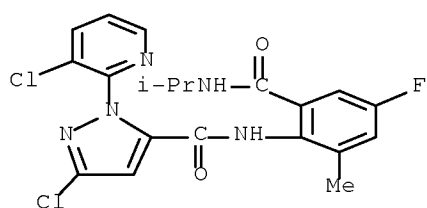
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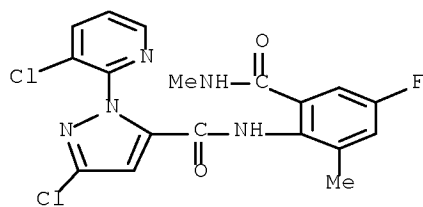
RN 500008-92-4 HCAPLUS

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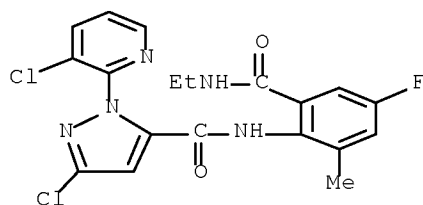
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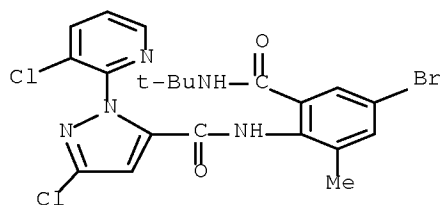
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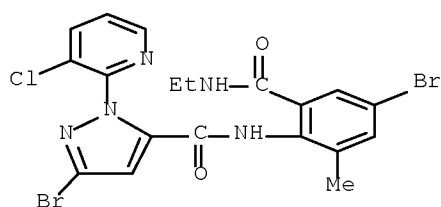
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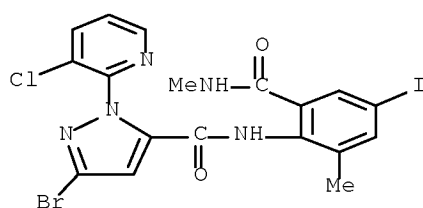
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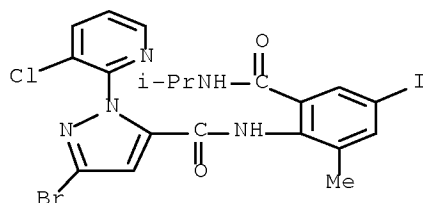
RN 500009-01-8 HCAPLUS

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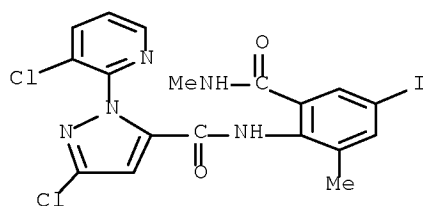
RN 500009-03-0 HCAPLUS

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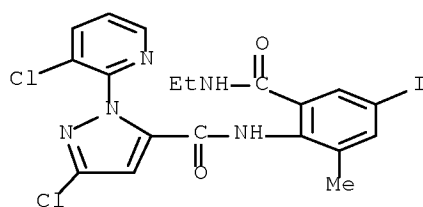


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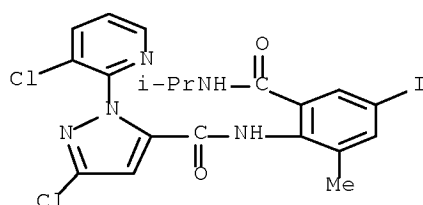
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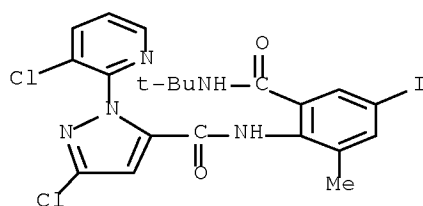
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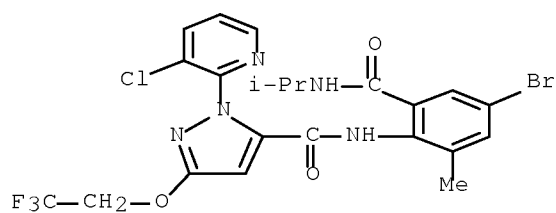
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RN 500009-08-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2-[[1,1-  
dimethylethyl]amino]carbonyl]-4-iodo-6-methylphenyl]- (CA INDEX NAME)

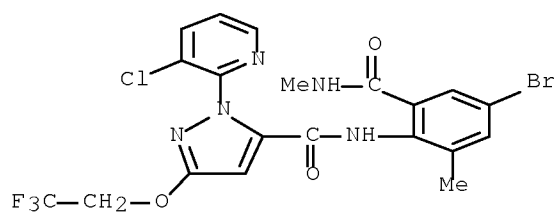
RN 500010-06-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[[1-  
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trifluoroethoxy)- (CA INDEX NAME)



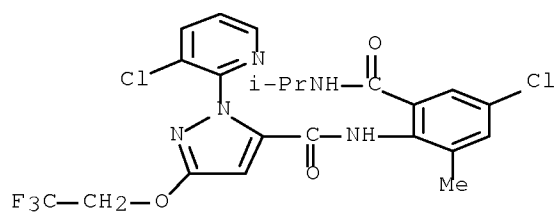
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CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



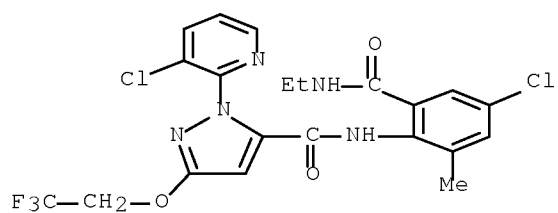
RN 500010-08-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



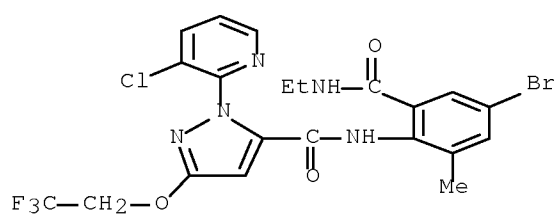
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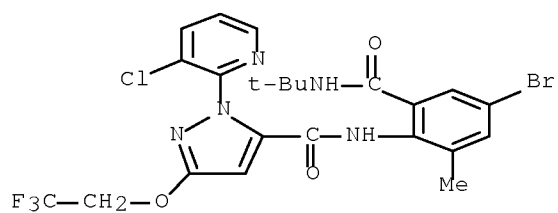
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CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



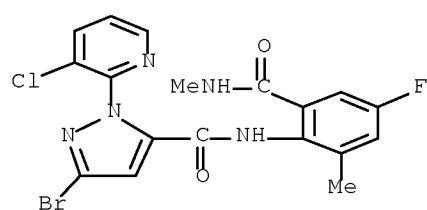
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CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[[1,1-dimethylethylamino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)

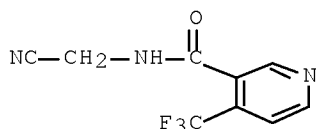


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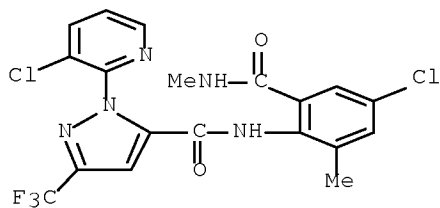
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(methylamino)carbonyl]phenyl]- (CA INDEX NAME)



IT 158062-67-0, Flonicamid  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (in arthropodicidal compns. containing anthranilamide)  
 RN 158062-67-0 HCAPLUS  
 CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)

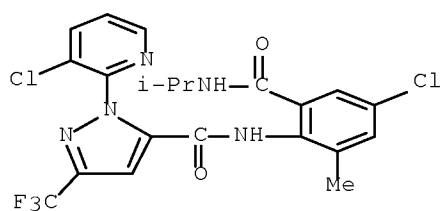


IT 438450-41-0P, N-[4-Chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide  
 500008-00-4P 500008-44-6P 500008-45-7P  
 500008-60-6P 500008-62-8P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of arthropodicidal anthranilamide)  
 RN 438450-41-0 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



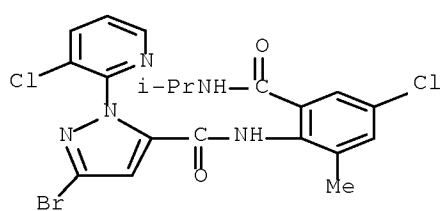
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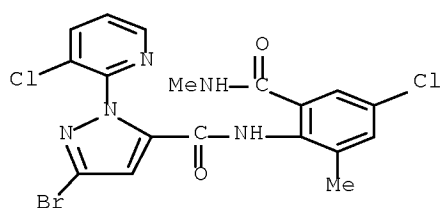
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CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



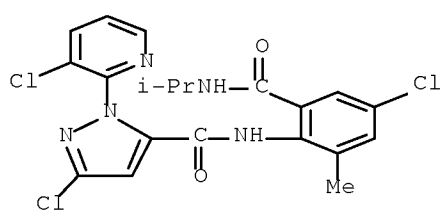
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CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

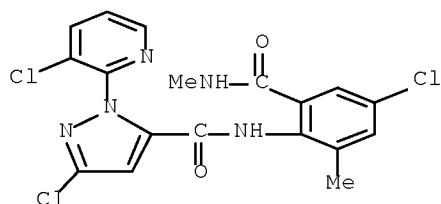


RN 500008-60-6 HCAPLUS

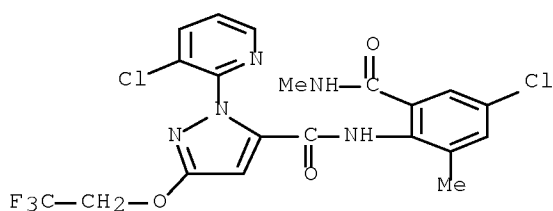
CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



RN 500008-62-8 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



IT 500010-10-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of arthropodicidal anthranilamide)  
 RN 500010-10-6 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-  
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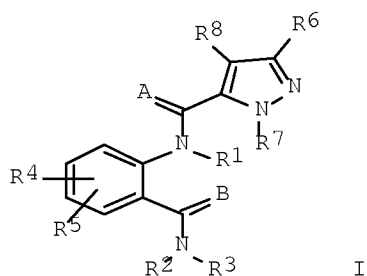


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 34 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:154154 HCAPLUS Full-text  
 DOCUMENT NUMBER: 138:200331  
 TITLE: Method for controlling particular insect pests by  
 applying anthranilamide compounds  
 INVENTOR(S): Lahm, George Philip; McCann, Stephen Frederick; Patel,  
 Kanu Maganbhai; Selby, Thomas Paul; Stevenson, Thomas  
 Martin  
 PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA  
 SOURCE: PCT Int. Appl., 150 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(anthranilamide compds. as insecticides)

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500010-37-7	500010-38-8	500010-39-9	500010-40-2	500010-41-3
500010-42-4	500010-43-5	500010-44-6		
500010-45-7	500010-46-8	500010-47-9	500010-48-0	
500010-49-1	500010-50-4	500010-51-5	500010-52-6	500010-53-7
500010-54-8	500010-55-9	500010-56-0	500010-57-1	500010-58-2
500010-59-3	500010-60-6	500010-61-7	500010-62-8	500010-63-9
500010-64-0	500010-65-1	500010-66-2	500010-67-3	
500010-68-4	500010-69-5	500010-70-8	500010-71-9	500010-72-0
500010-73-1	500010-74-2	500010-75-3	500010-76-4	500010-77-5
500010-79-7	500010-80-0	500010-81-1	500010-82-2	500010-83-3
500010-84-4	500010-85-5	500010-86-6	500010-87-7	500010-88-8

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(anthranilamide compds. as insecticides)

IT	500010-89-9	500010-90-2	500010-91-3	500010-92-4	500010-93-5
	500010-94-6	500010-95-7	500010-96-8	500010-97-9	500010-98-0
	500010-99-1	500011-00-7	500011-01-8	500011-02-9	500011-03-0
	500011-04-1	500011-05-2	500011-06-3	500011-07-4	500011-08-5
	500011-09-6	500011-10-9	500011-11-0	500011-12-1	500011-13-2
	500011-14-3	500011-15-4	500011-16-5	500011-17-6	500011-18-7
	500011-19-8	500011-20-1	500011-21-2	500011-22-3	500011-23-4
	500011-24-5	500011-25-6	500011-26-7	500011-27-8	500011-28-9
	500011-29-0	500011-30-3	500011-31-4	500011-32-5	
	500011-33-6	500011-35-8	500011-36-9	500011-37-0	
	500011-38-1	500011-39-2	500011-40-5	500011-41-6	500011-42-7
	500011-43-8	500011-44-9	500011-45-0	500011-46-1	500011-47-2
	500011-48-3	500011-49-4	500011-50-7	500011-51-8	500011-52-9
	500011-53-0	500011-54-1	500011-55-2	500011-56-3	
	500011-57-4	500011-58-5	500011-59-6	500011-60-9	500011-61-0
	500011-62-1	500011-63-2	500011-64-3	500011-65-4	
	500011-66-5	500011-67-6	500011-68-7	500011-69-8	
	500011-70-1	500011-71-2	500011-72-3	500011-73-4	500011-74-5
	500011-75-6	500011-76-7	500011-77-8	500011-78-9	
	500011-79-0	500011-80-3			

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(anthranilamide compds. as insecticides)

IT	52-68-6, Trichlorfon	56-38-2, Parathion	57-13-6D, Urea, derivs.	
	60-51-5, Dimethoate	72-43-5, Methoxychlor	83-79-4, Rotenone	86-50-0,
	Azinphos-methyl	108-62-3, Metaldehyde	115-29-7, Endosulfan	115-32-2,
	Dicofol	116-06-3, Aldicarb	121-75-5, Malathion	298-00-0,
	Parathion-methyl	298-02-2, Phorate	333-41-5, Diazinon	510-15-6,
	Chlorobenzilate	732-11-6, Phosmet	944-22-9, Fonophos	950-37-8,
	Methidathion	1563-66-2, Carbofuran	2227-17-0, Dienochlor	2310-17-0,
	Phosalone	2312-35-8, Propargite	2439-01-2, Chinomethionat	2921-88-2,
	Chlorpyrifos	5598-13-0, Chlorpyrifos-methyl	6923-22-4, Monocrotophos	

10265-92-6, Methamidophos 11141-17-6, Azadirachtin 13071-79-9,  
 Terbufos 13121-70-5, Cyhexatin 13171-21-6, Phosphamidon 13356-08-6,  
 Fenbutatin oxide 16752-77-5, Methomyl 22224-92-6, Fenamiphos  
 22248-79-9, Tetrachlorvinphos 23103-98-2, Pirimicarb 23135-22-0,  
 Oxamyl 25311-71-1, Isofenphos 30560-19-1, Acephate 33089-61-1,  
 Amitraz 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos 39515-41-8,  
 Fenpropathrin 40596-69-8, Methoprene 41198-08-7, Profenofos  
 51630-58-1, Fenvalerate 52207-48-4, Thiosultap-sodium 52315-07-8,  
 Cypermethrin 52645-53-1, Permethrin 52918-63-5, Deltamethrin  
 58842-20-9, Nithiazine 59669-26-0, Thiodicarb 62850-32-2, Fenothiocarb  
 63837-33-2, Diofenolan 64628-44-0, Triflumuron 66215-27-8, Cyromazine  
 66230-04-4, Esfenvalerate 66841-25-6, Tralomethrin 68085-85-8,  
 Cyhalothrin 68359-37-5, Cyfluthrin 69327-76-0, Buprofezin  
 70124-77-5, Flucythrinate 71422-67-8, Chlorfluazuron 71751-41-2,  
 Abamectin 72490-01-8, Fenoxycarb 73989-17-0, Avermectin 78587-05-0,  
 Hexythiazox 79538-32-2, Tefluthrin 80060-09-9, Diafenthiuron  
 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 84466-05-7,  
 Amidoflumet 86479-06-3, Hexaflumuron 91465-08-6 95737-68-1,  
 Pyriproxyfen 96489-71-3, Pyridaben 101463-69-8, Flufenoxuron  
 102851-06-9, Tau-fluvalinate 103055-07-8, Lufenuron 111988-49-9,  
 Thiocloprid 112226-61-6, Halofenozide 112410-23-8, Tebufenozide  
 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad 119791-41-2,  
 Emamectin 120068-37-3, Fipronil 120928-09-8, Fenazaquin 121451-02-3,  
 Noviflumuron 122453-73-0, Chlorfenapyr 123312-89-0, Pymetrozine  
 134098-61-6, Fenpyroximate 135410-20-7, Acetamiprid 138261-41-3,  
 Imidacloprid 143807-66-3, Chromafenozide 149877-41-8, Bifenazate  
 153233-91-1, Etoxazole 153719-23-4, Thiamethoxam 158062-67-0,  
 Flonicamid 161050-58-4, Methoxyfenozide 168316-95-8, Spinosad  
 170015-32-4, Flufenerim 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl  
 181587-01-9, Ethiprole 210880-92-5, Clothianidin 283594-90-1,  
 Spiromesifen

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(in insecticidal compns. containing anthranilamide compds.)

IT 362637-53-4P 362637-70-5P 362638-30-0P 362639-62-1P  
 438450-41-0P, N-[4-Chloro-2-methyl-6-[(methylamino)carbonyl]phenyl  
 ]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide  
 500008-00-4P 500008-44-6P 500008-45-7P  
 500008-60-6P 500008-62-8P 500010-10-6P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN  
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation of anthranilamide compds. as insecticides)

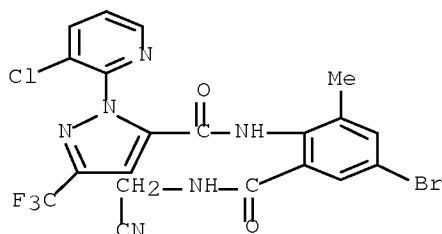
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 500007-33-0 500007-34-1 500007-35-2  
 500007-38-5 500007-42-1 500007-45-4  
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 500011-66-5 500011-68-7 500011-76-7  
 500011-77-8 500011-79-0

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (anthranilamide compds. as insecticides)

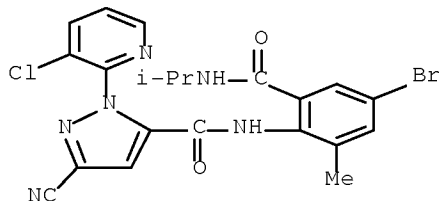
RN 500007-01-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[[[(cyanomethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



RN 500007-19-2 HCAPLUS

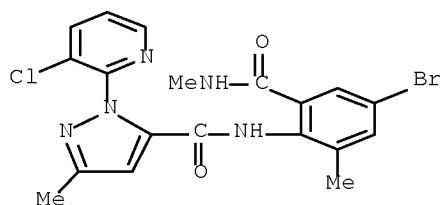
CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[[[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-cyano- (CA INDEX NAME)



RN 500007-27-2 HCAPLUS

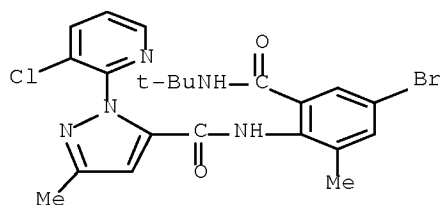


CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-methyl- (CA  
INDEX NAME)



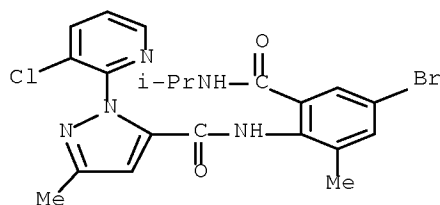
RN 500007-28-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[[ (1,1-  
dimethylethyl) amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-  
methyl- (CA INDEX NAME)



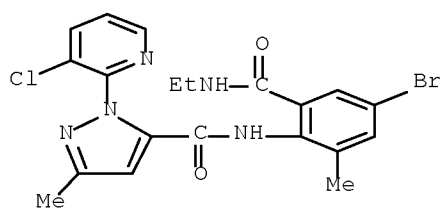
RN 500007-29-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[[ (1-  
methylethyl) amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-methyl- (CA  
INDEX NAME)



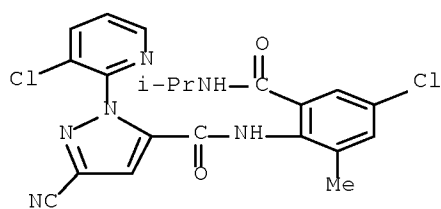
RN 500007-30-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-  
methylphenyl]-1-(3-chloro-2-pyridinyl)-3-methyl- (CA INDEX NAME)



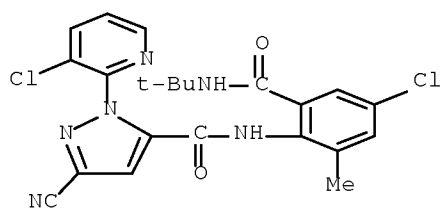
RN 500007-33-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[1-(3-chloro-2-pyridinyl)-3-cyano-1H-pyrazol-5-yl]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-cyano- (CA INDEX NAME)



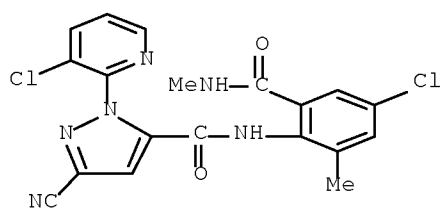
RN 500007-34-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[[1,1-dimethylethylamino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-cyano- (CA INDEX NAME)



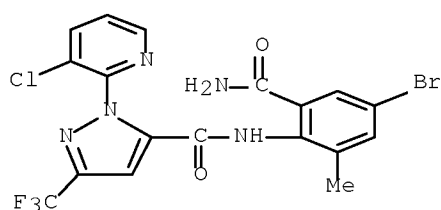
RN 500007-35-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-cyano- (CA INDEX NAME)



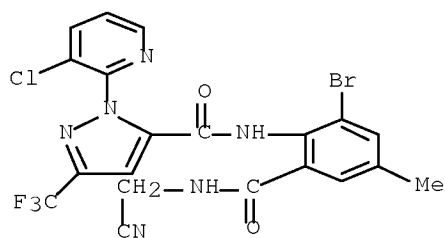
RN 500007-38-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-bromo-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



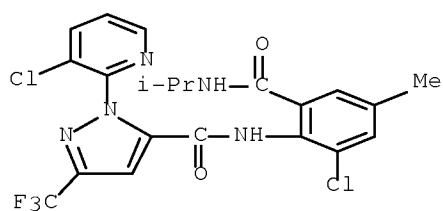
RN 500007-42-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-6-[[[(cyanomethyl)amino]carbonyl]-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



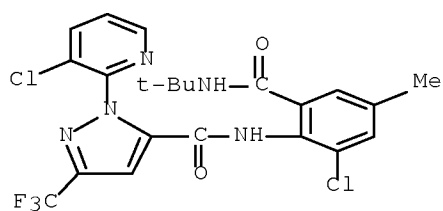
RN 500007-45-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-chloro-4-methyl-6-[[[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



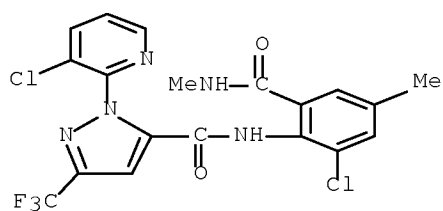
RN 500007-46-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-chloro-6-[[1,1-dimethylethyl]amino]carbonyl]-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



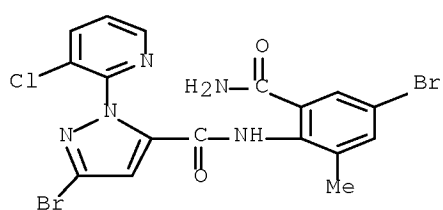
RN 500007-47-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-chloro-4-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



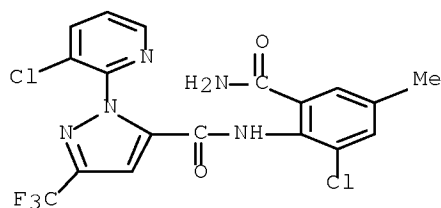
RN 500007-48-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-bromo-6-methylphenyl]-3-bromo-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



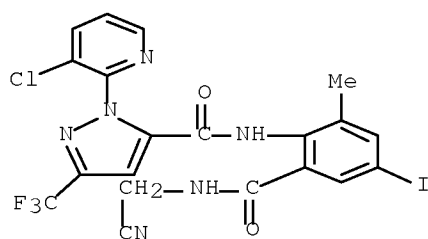
RN 500007-58-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-6-chloro-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



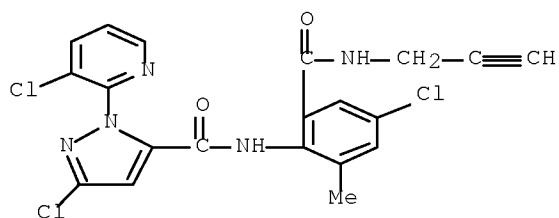
RN 500007-60-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(cyanomethyl)amino]carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



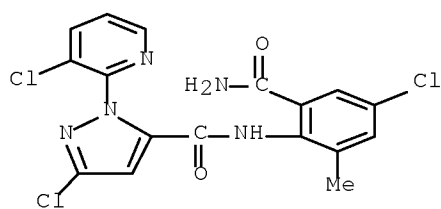
RN 500007-73-8 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-methyl-6-[(2-propyn-1-ylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



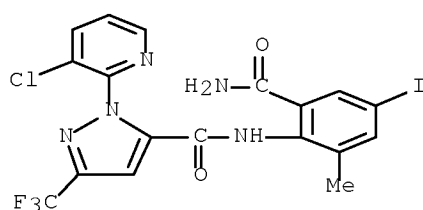
RN 500007-74-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-chloro-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



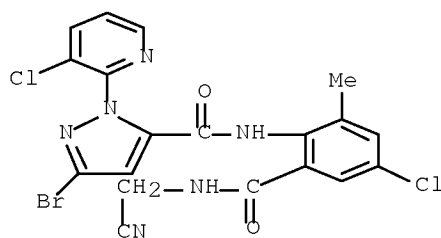
RN 500007-78-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-iodo-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



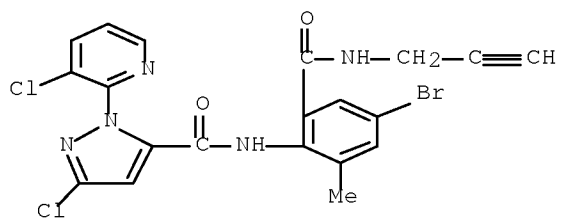
RN 500007-80-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-[[ (cyanomethyl) amino] carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



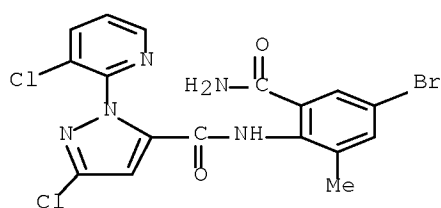
RN 500007-81-8 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(2-propyn-1-ylamino)carbonyl]phenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



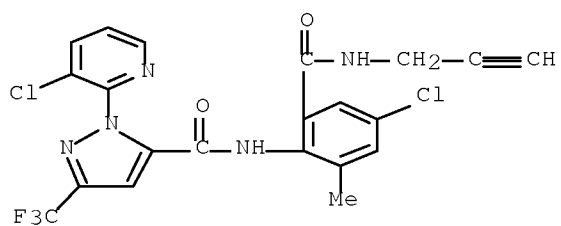
RN 500007-82-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-bromo-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



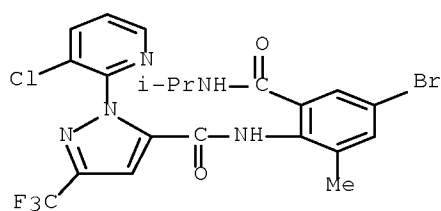
RN 500007-90-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(2-propyn-1-ylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



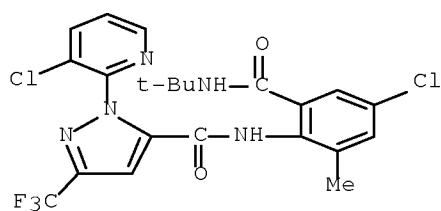
RN 500007-97-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



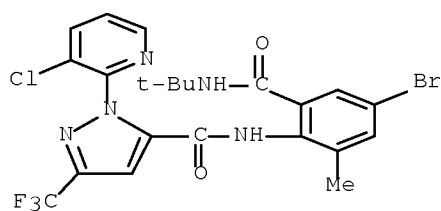
RN 500008-03-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



RN 500008-23-1 HCAPLUS

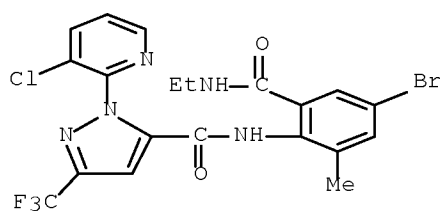
CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



RN 500008-25-3 HCAPLUS

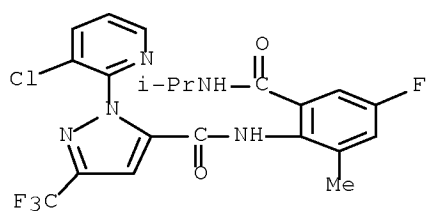
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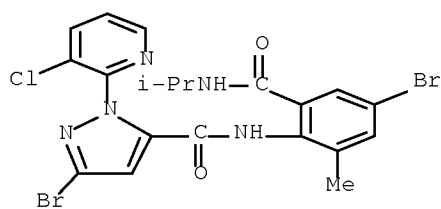
RN 500008-27-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-  
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NAME)



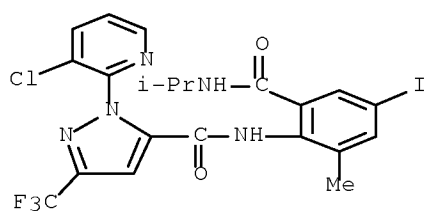
RN 500008-29-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-methyl-6-[[ (1-  
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NAME)



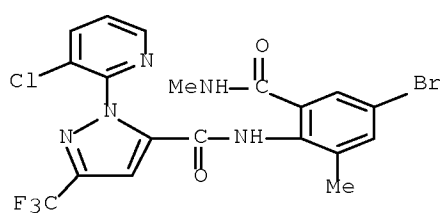
RN 500008-34-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-  
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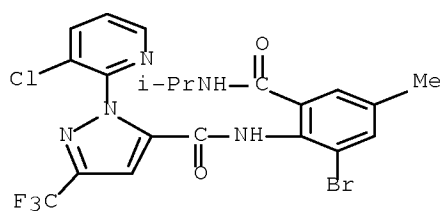
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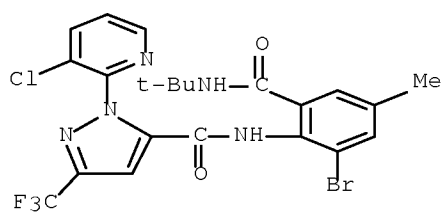
RN 500008-37-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-4-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



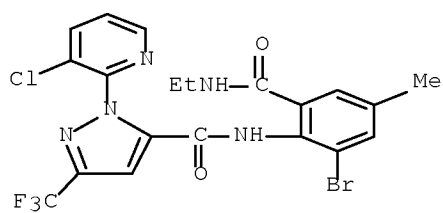
RN 500008-39-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-6-[(1,1-dimethylethyl)amino]carbonyl]-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



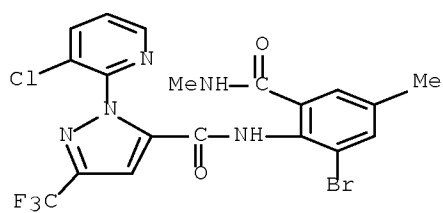
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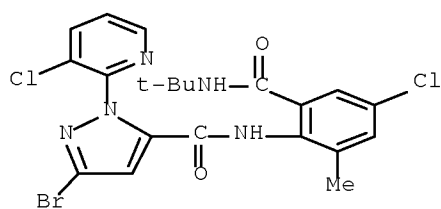
RN 500008-42-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-4-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



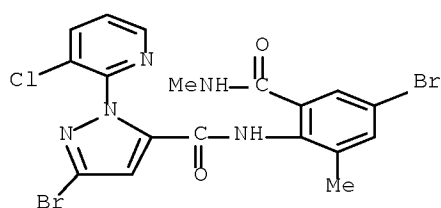
RN 500008-47-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-[[1,1-dimethylethyl]amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



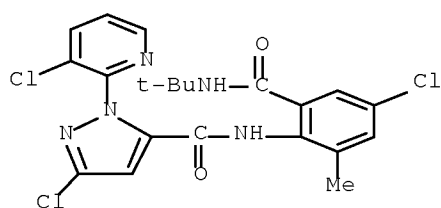
RN 500008-56-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



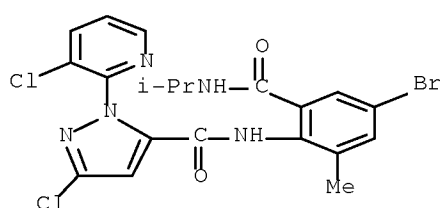
RN 500008-64-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-[[ (1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

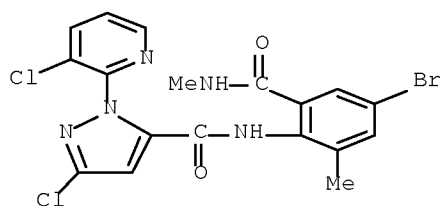


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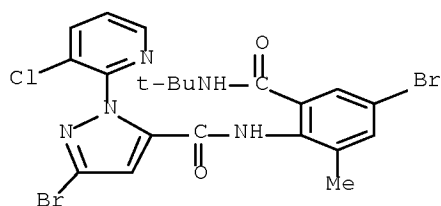
CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[[ (1-methylethyl)amino]carbonyl]phenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



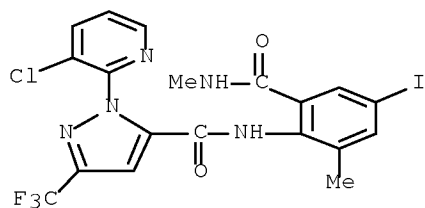
RN 500008-67-3 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-  
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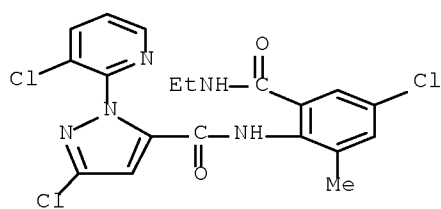
RN 500008-68-4 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-[[ (1,1-  
 dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-  
 (CA INDEX NAME)



RN 500008-69-5 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)

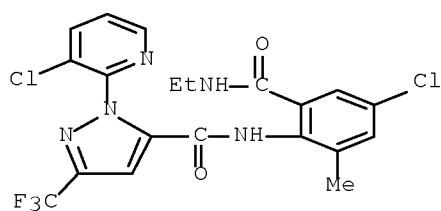


RN 500008-79-7 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-[(ethylamino)carbonyl]-6-  
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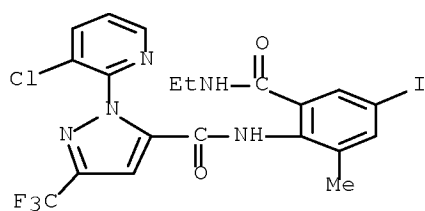
RN 500008-80-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



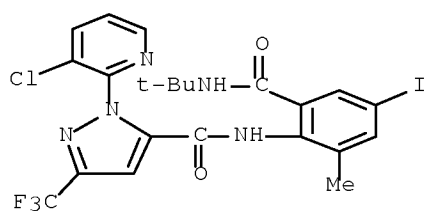
RN 500008-81-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



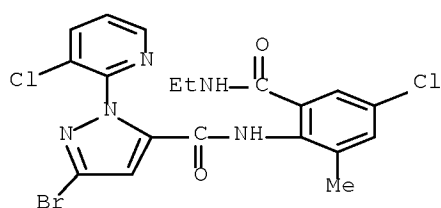
RN 500008-82-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[[[1,1-dimethylethyl)amino]carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



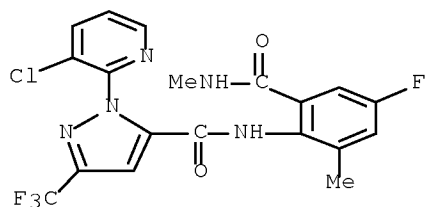
RN 500008-84-4 HCAPLUS

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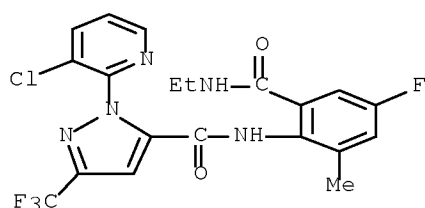
RN 500008-85-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)

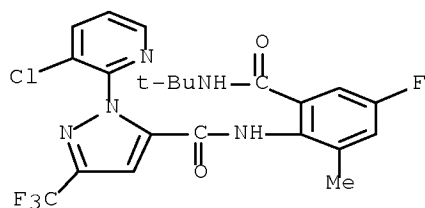


RN 500008-86-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-fluoro-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)

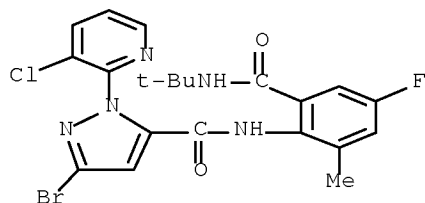


RN 500008-87-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[[ (1,1-dimethylethyl)amino]carbonyl]-4-fluoro-6-methylphenyl]-3-(trifluoromethyl)-  
(CA INDEX NAME)

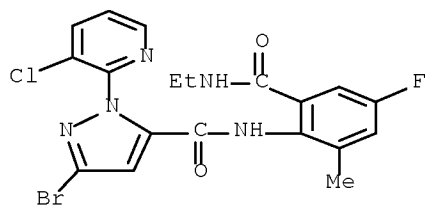
RN 500008-88-8 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[2-[[ (1,1-dimethylethyl)amino]carbonyl]-4-fluoro-6-methylphenyl]- (CA INDEX NAME)



RN 500008-89-9 HCAPLUS

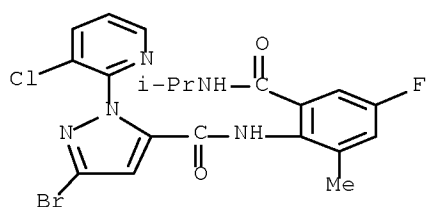
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-fluoro-6-methylphenyl]- (CA INDEX NAME)



RN 500008-90-2 HCAPLUS

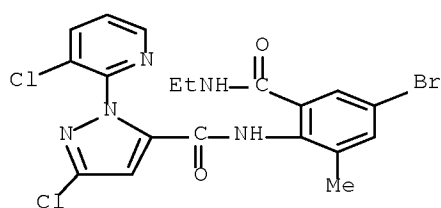
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[[ (1-methylethyl)amino]carbonyl]phenyl]- (CA INDEX NAME)





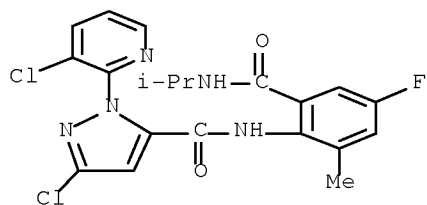
RN 500008-91-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



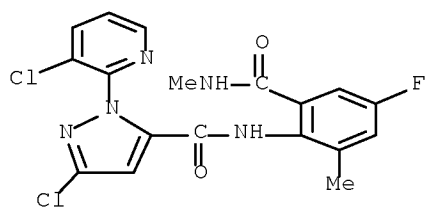
RN 500008-92-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[[[(1-methylethyl)amino]carbonyl]phenyl]- (CA INDEX NAME)

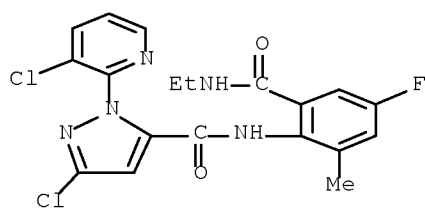


RN 500008-93-5 HCAPLUS

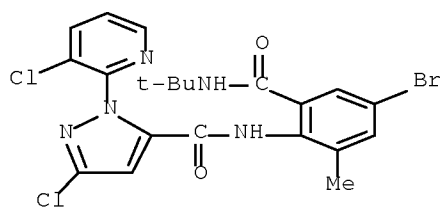
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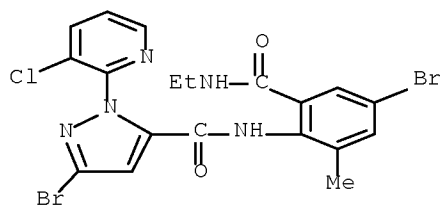
RN 500008-94-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2-  
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RN 500008-95-7 HCAPLUS

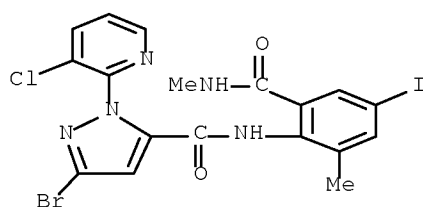
CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[[ (1,1-  
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RN 500009-00-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-[(ethylamino)carbonyl]-6-  
methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

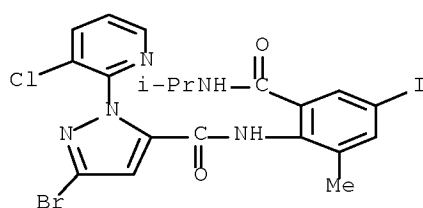
RN 500009-01-8 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-  
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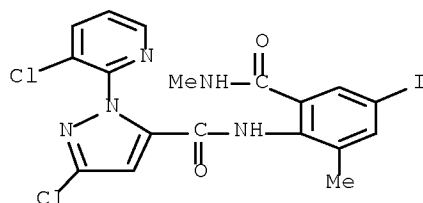
RN 500009-03-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl- (CA INDEX NAME)



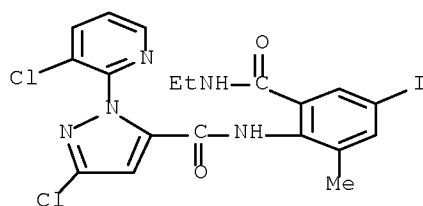
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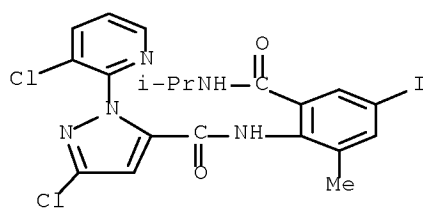
RN 500009-06-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-iodo-6-methylphenyl]- (CA INDEX NAME)



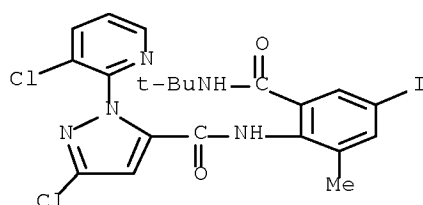
RN 500009-07-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]- (CA INDEX NAME)



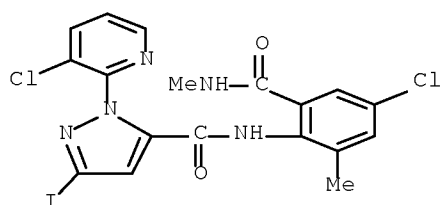
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CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2-[(1,1-dimethylethyl)amino]carbonyl]-4-iodo-6-methylphenyl]- (CA INDEX NAME)



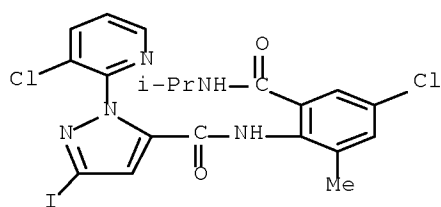
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-iodo- (CA INDEX NAME)



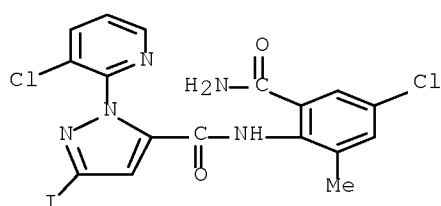
RN 500009-10-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-iodo- (CA INDEX NAME)



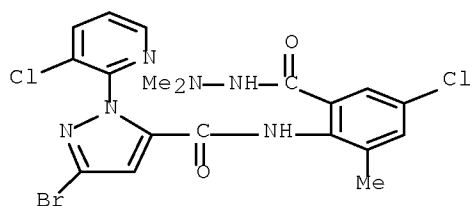
RN 500009-11-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-chloro-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-iodo- (CA INDEX NAME)



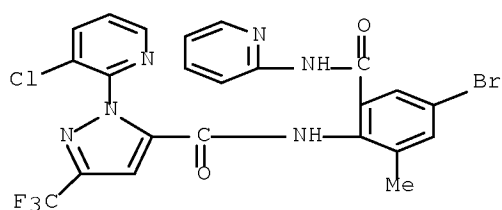
RN 500009-35-8 HCAPLUS

CN Benzoic acid, 2-[[[3-bromo-1-(3-chloro-2-pyridinyl)-1H-pyrazol-5-yl]carbonyl]amino]-5-chloro-3-methyl-, 2,2-dimethylhydrazide (CA INDEX NAME)



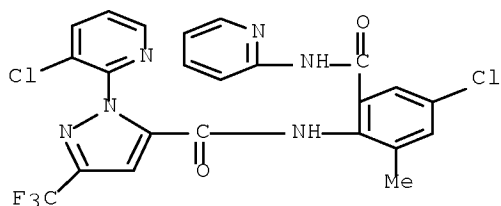
RN 500009-39-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(2-pyridinylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



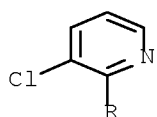
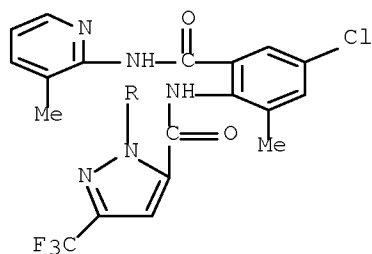
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(2-pyridinylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



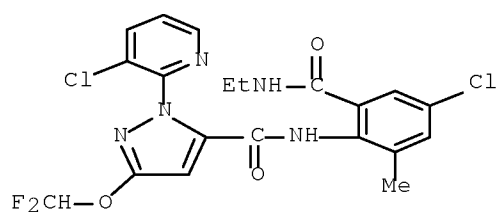
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(3-methyl-2-pyridinyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



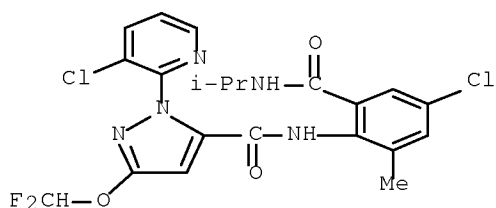
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(difluoromethoxy)- (CA INDEX NAME)



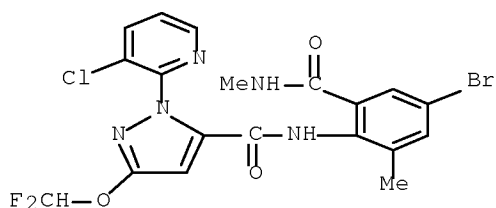
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[1-(methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(difluoromethoxy)- (CA INDEX NAME)



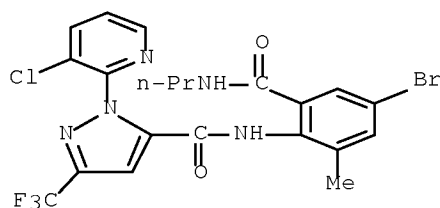
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CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(difluoromethoxy)- (CA INDEX NAME)



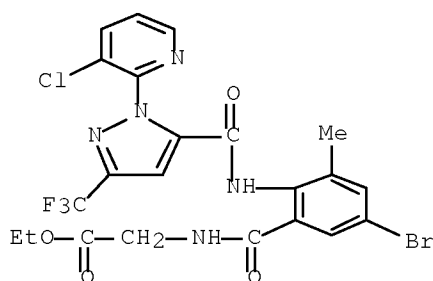
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CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(propylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



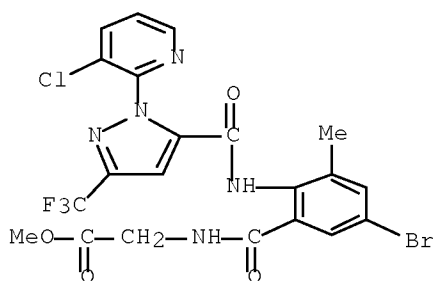
RN 500009-92-7 HCAPLUS

CN Glycine, N-[5-bromo-2-[[[1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]carbonyl]amino]-3-methylbenzoyl]-, ethyl ester (CA INDEX NAME)



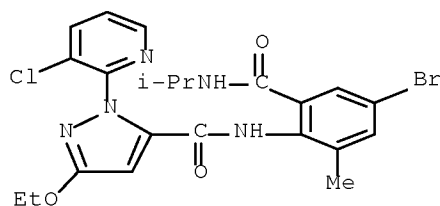
RN 500009-95-0 HCAPLUS

CN Glycine, N-[5-bromo-2-[[[1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]carbonyl]amino]-3-methylbenzoyl]-, methyl ester (CA INDEX NAME)



RN 500010-02-6 HCAPLUS

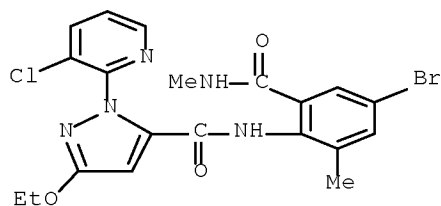
CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[[[1-(methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-ethoxy- (CA INDEX NAME)



RN 500010-03-7 HCAPLUS

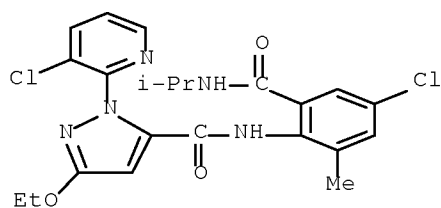
CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-ethoxy- (CA INDEX NAME)





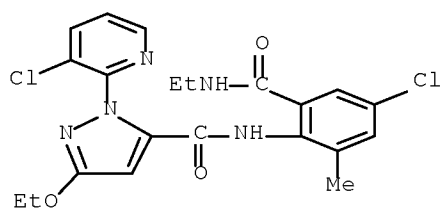
RN 500010-04-8 HCAPLUS

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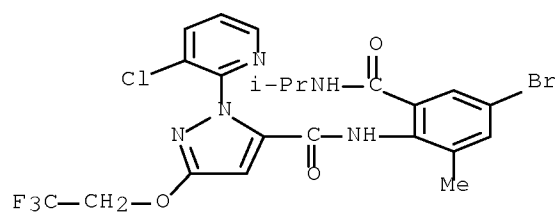
RN 500010-05-9 HCAPLUS

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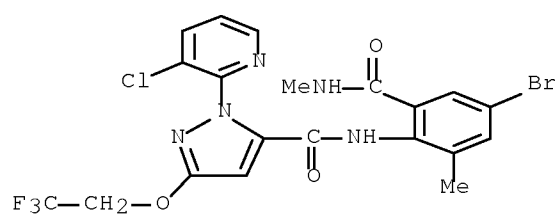
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CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[[1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



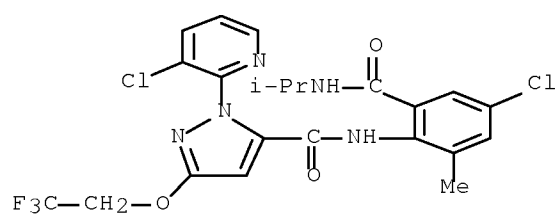
RN 500010-07-1 HCAPLUS

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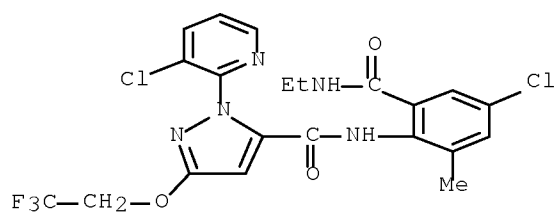
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



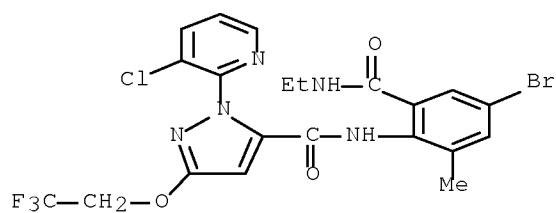
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



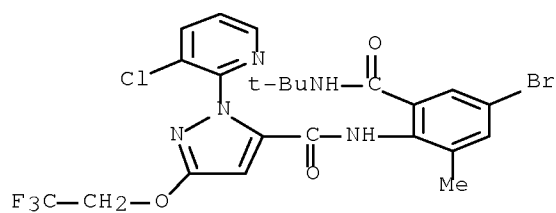
RN 500010-11-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



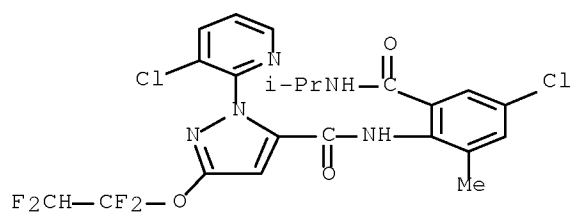
RN 500010-12-8 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[[1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



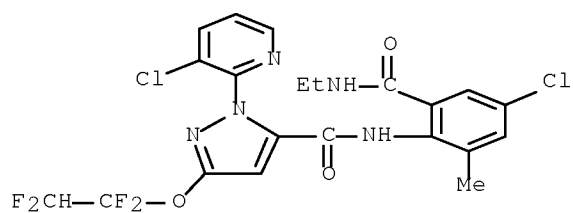
RN 500010-16-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



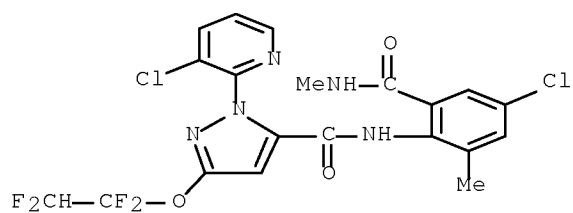
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



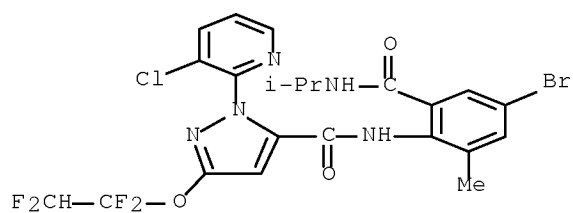
RN 500010-18-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



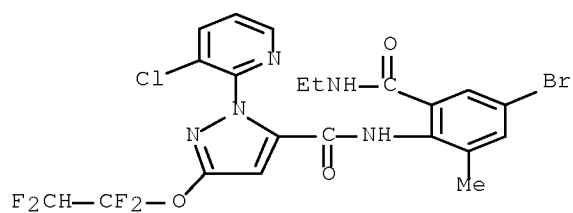
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CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



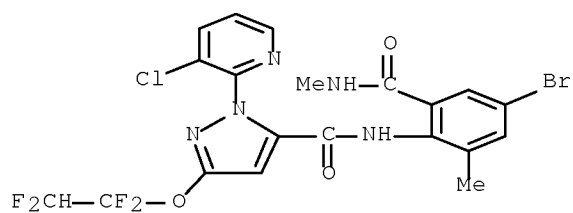
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CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



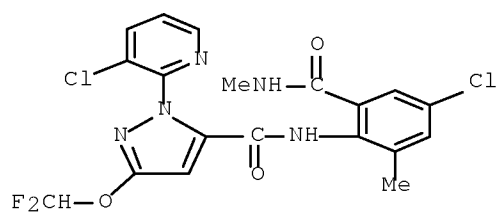
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CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



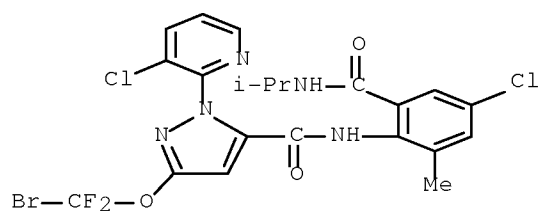
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(difluoromethoxy)- (CA INDEX NAME)



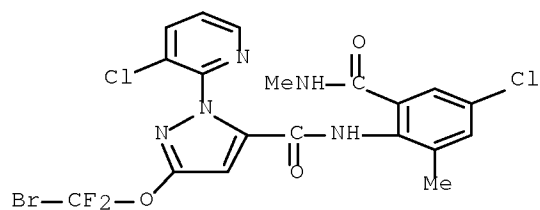
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CN 1H-Pyrazole-5-carboxamide, 3-(bromodifluoromethoxy)-N-[4-chloro-2-methyl-6-  
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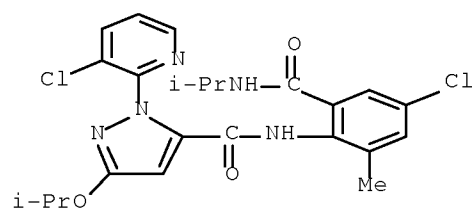
RN 500010-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-(bromodifluoromethoxy)-N-[4-chloro-2-methyl-6-  
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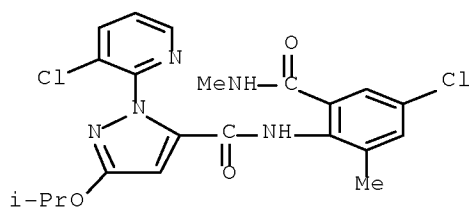
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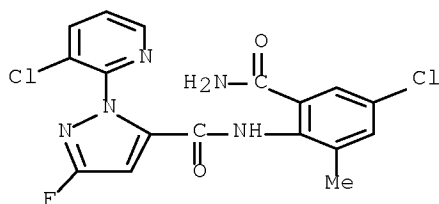
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(CA INDEX NAME)



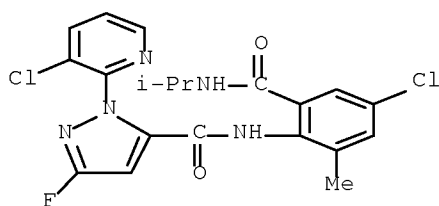
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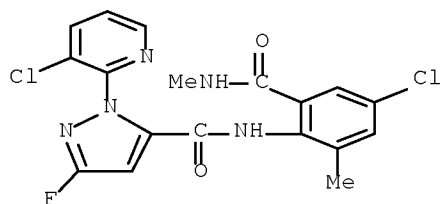
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[ (1-  
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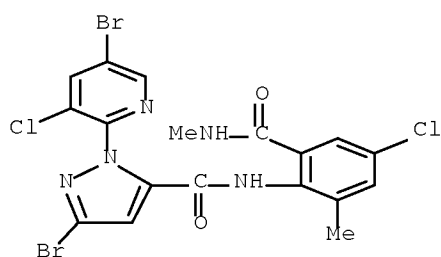
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INDEX NAME)



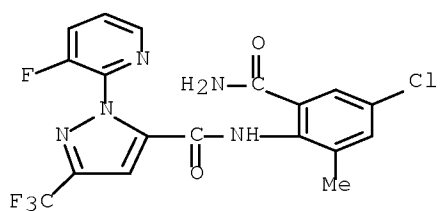
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CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(5-bromo-3-chloro-2-pyridinyl)-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]- (CA INDEX NAME)



RN 500011-65-4 HCAPLUS

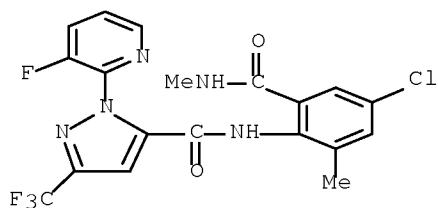
CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-chloro-6-methylphenyl]-1-(3-fluoro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



RN 500011-66-5 HCAPLUS

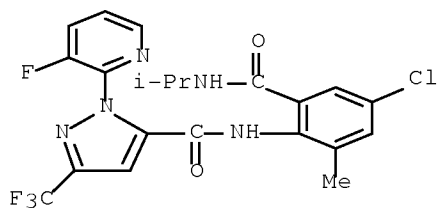
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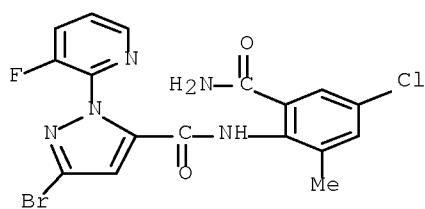
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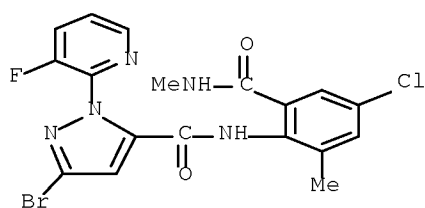
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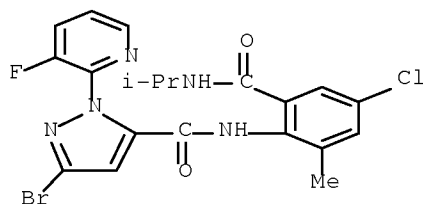


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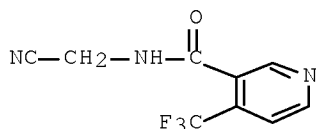
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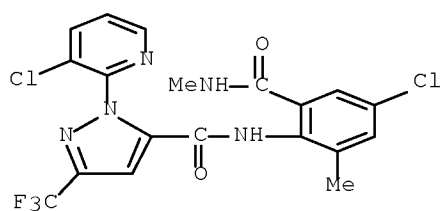
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IT 158062-67-0, Flonicamid  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (in insecticidal compns. containing anthranilamide compds.)  
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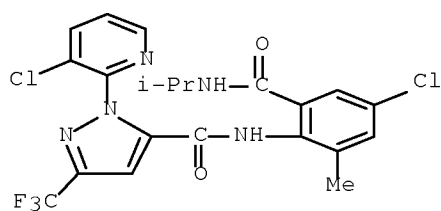


IT 438450-41-0P, N-[4-Chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide  
 500008-00-4P 500008-44-6P 500008-45-7P  
 500008-60-6P 500008-62-8P 500010-10-6P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of anthranilamide compds. as insecticides)  
 RN 438450-41-0 HCAPLUS  
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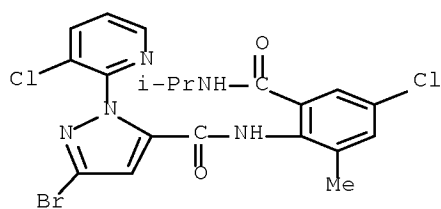
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[[1-(methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



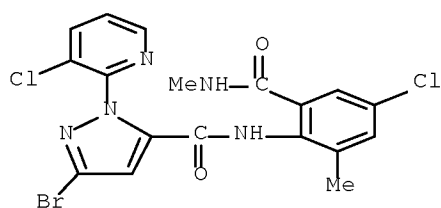
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CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[[1-(methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

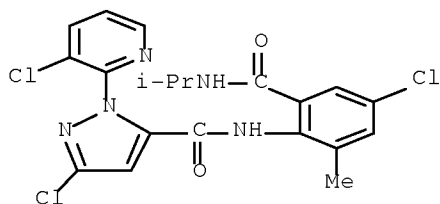


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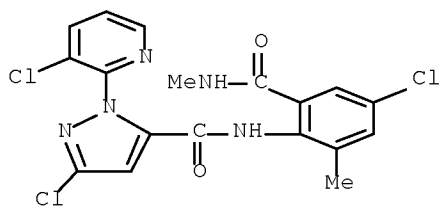
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



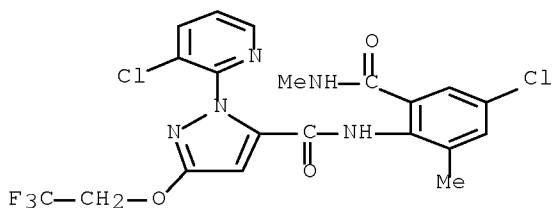
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RN 500008-62-8 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



RN 500010-10-6 HCAPLUS  
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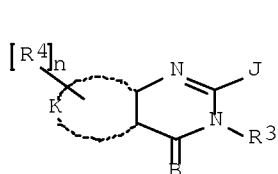


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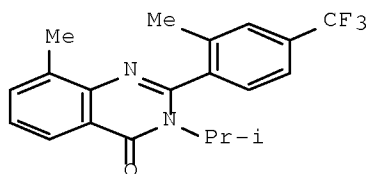
L30 ANSWER 35 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:465981 HCAPLUS Full-text

DOCUMENT NUMBER: 137:47212  
 TITLE: Preparation of quinazolinones and pyridopyrimidinones for controlling invertebrate pests  
 INVENTOR(S): Annis, Gary David; Myers, Brian James; Selby, Thomas Paul; Stevenson, Thomas Martin; Zimmerman, William Thomas  
 PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA  
 SOURCE: PCT Int. Appl., 180 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002048115	A2	20020620	WO 2001-US46629	20011203
WO 2002048115	A3	20020906		
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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EP 1341772	A2	20030910	EP 2001-996125	20011203
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US 20040110777	A1	20040610	US 2003-433368	20031014
PRIORITY APPLN. INFO.:			US 2000-254614P	P 20001211
			WO 2001-US46629	W 20011203
OTHER SOURCE(S):		MARPAT 137:47212		
GI				



I



II

AB The title compds. [I; B = O, S; J = (un)substituted Ph, naphthyl, 5-6 membered heteroarom. ring, etc.; K, together with the two contiguous linking carbon atoms = a fused Ph, or fused pyridinyl, each optionally substituted with 1-4 R4; R3 = G, alkyl, cycloalkyl, etc.; G = (un)substituted Ph, 5-6 membered heteroarom. ring, etc.; R4 = H, alkyl, haloalkyl, etc.; n = 1-4], useful for controlling invertebrate pests, were prepared E.g. a multi-step synthesis of II which provided very good level of plant protection (20% or less feeding

damage) in in test on diamondback moth (*Plutella xylostella*)/radish plant, was given. This invention also pertains to certain compds. I and compns. for controlling invertebrate pests comprising a biol. effective amount of a compound I and at least one addnl. component selected from the group consisting of surfactants, solid diluents and liquid diluents.

IC ICM C07D239-00

CC 28-16 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s): 5

IT 52-68-6, Trichlorfon 56-38-2, Parathion 60-51-5, Dimethoate 72-43-5, Methoxychlor 83-79-4, Rotenone 86-50-0, Azinphos-methyl 108-62-3, Metaldehyde 115-29-7, Endosulfan 115-32-2, Dicofol 116-06-3, Aldicarb 121-75-5, Malathion 298-00-0, Parathion-methyl 298-02-2, Phorate 333-41-5, Diazinon 510-15-6, Chlorbenzylate 732-11-6, Phosmet 944-22-9, Fonophos 950-37-8, Methidathion 1563-66-2, Carbofuran 2227-17-0, Dienochlor 2310-17-0, Phosalone 2312-35-8, Propargite 2439-01-2, Chinomethionat 2921-88-2, Chlorpyrifos 5598-13-0, Chlorpyrifos-methyl 6923-22-4, Monocrotophos 10265-92-6, Methamidophos 11141-17-6, Azadirachtin 13071-79-9, Terbufos 13121-70-5, Cyhexatin 13171-21-6, Phosphamidon 13356-08-6, Fenbutatin oxide 16752-77-5, Methomyl 22224-92-6, Fenamiphos 22248-79-9, Tetrachlorvinphos 23103-98-2, Pirimicarb 23135-22-0, Oxamyl 25311-71-1, Isofenphos 30560-19-1, Acephate 33089-61-1, Amitraz 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos 39515-41-8, Fenpropathrin 40596-69-8, Methoprene 41198-08-7, Profenofos 51630-58-1, Fenvalerate 52207-48-4, Thiosultap-sodium 52315-07-8, Cypermethrin 52645-53-1, Permethrin 52918-63-5, Deltamethrin 58842-20-9, Nithiazine 59669-26-0, Thiodicarb 63837-33-2, Diofenolan 64628-44-0, Triflumuron 66215-27-8, Cyromazine 66230-04-4, Esfenvalerate 66841-25-6, Tralomethrin 68085-85-8, Cyhalothrin 68359-37-5, Beta-Cyfluthrin 69327-76-0, Buprofezin 70124-77-5, Flucythrinate 71422-67-8, Chlorfluazuron 71751-41-2, Abamectin 72490-01-8, Fenoxycarb 73989-17-0, Avermectin 78587-05-0, Hexythiazox 79538-32-2, Tefluthrin 80060-09-9, Diafenthiuron 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 86479-06-3, Hexaflumuron 91465-08-6, 95737-68-1, Pyriproxyfen 96489-71-3, Pyridaben 101463-69-8, Flufenoxuron 102851-06-9, Tau-fluvalinate 103055-07-8, Lufenuron 111988-49-9, Thiacloprid 112226-61-6, Halofenozide 112410-23-8, Tebufenozide 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad 119791-41-2, Emamectin 120068-37-3, Fipronil 120928-09-8, Fenazaquin 122453-73-0, Chlorfenapyr 123312-89-0, Pymetrozine 134098-61-6, Fenpyroximate 135410-20-7, Acetamiprid 138261-41-3, Imidacloprid 143807-66-3, Chromafenozide 153233-91-1, Etoxazole 153719-23-4, Thiamethoxam 158062-67-0, Flonicamid 161050-58-4, Methoxyfenozide 168316-95-8, Spinosad 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl 181587-01-9, Ethiprole 210880-92-5, Clothianidin

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(composition component; preparation of quinazolinones and

pyridopyrimidinones for

controlling invertebrate pests and their use in compns. with other biol. active compds.)

IT 20776-67-4P, 2-Amino-3-methyl-5-chlorobenzoic acid 23984-82-9P, 2-Methyl-4-(trifluoromethyl)benzoic acid 62639-14-9P, 2-[(Methylthio)methyl]-4-(trifluoromethyl)benzenamine 67169-22-6P, 2-Methyl-4-(trifluoromethyl)benzenamine 68289-10-1P, 2-Amino-3-methyl-N-(1-methylethyl)benzamide 362633-61-2P, 2-Methyl-N-[2-methyl-6-[[[(1-methylethyl)amino]carbonyl]phenyl]-4-(trifluoromethyl)benzamide 362640-53-7P, 3-Methyl-N-(1-methylethyl)-2-nitrobenzamide 362640-55-9P 362640-56-0P, 2-Methyl-4-(trifluoromethyl)benzonitrile 362640-63-9P, 2-Methyl-4-

(trifluoromethyl)benzoyl chloride 438450-38-5P, 3-Chloro-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]pyridine 438450-39-6P 438450-40-9P, 6-Chloro-2-[1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]-8-methyl-4H-3,1-benzoxazin-4-one 438450-41-0P, N-[4-Chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide 438450-42-1P, 8-Chloro-2-[1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]-4H-3,1-benzoxazin-4-one  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of quinazolinones and pyridopyrimidinones for controlling invertebrate pests)

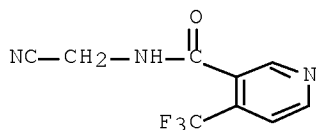
IT 158062-67-0, Flonicamid

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(composition component; preparation of quinazolinones and pyridopyrimidinones for controlling invertebrate pests and their use in compns. with other biol. active compds.)

RN 158062-67-0 HCAPLUS

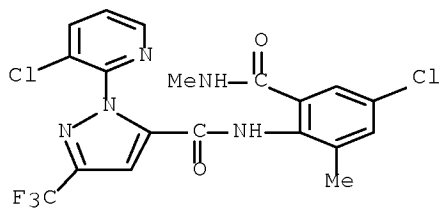
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



IT 438450-41-0P, N-[4-Chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of quinazolinones and pyridopyrimidinones for controlling invertebrate pests)

RN 438450-41-0 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



=> d his nofil

(FILE 'HOME' ENTERED AT 10:09:14 ON 11 SEP 2008)

FILE 'REGISTRY' ENTERED AT 10:09:36 ON 11 SEP 2008

L1 STR  
L\*\*\* DEL 0 S L1  
L2 STR L1  
L3 0 SEA SSS SAM L2  
L4 0 SEA SSS FUL L2  
L5 STR L2  
L6 880008 SEA ABB=ON PLU=ON NC4-C6/ES AND C6/ES  
L7 7436 SEA ABB=ON PLU=ON L6 AND NRS=2 AND NR=3 AND O=5 AND N=1  
L8 1113 SEA ABB=ON PLU=ON C=21 AND L7  
L9 28 SEA ABB=ON PLU=ON C21H26NO5/MF  
L10 0 SEA ABB=ON PLU=ON L9 AND L8  
L11 STR L5  
L12 49 SEA SSS SAM L11  
L13 11 SEA SSS SAM L5  
L14 144 SEA SSS FUL L5  
L15 68 SEA ABB=ON PLU=ON L14 AND C=21  
L16 5 SEA ABB=ON PLU=ON L15 AND H=26  
L17 STR  
L18 13 SEA SSS SAM L17  
L19 324 SEA SSS FUL L17  
L20 1 SEA ABB=ON PLU=ON L19 AND L14  
D SCA  
L21 STR  
L22 99757 SEA ABB=ON PLU=ON N2C3/ES AND C6/ES AND NC5/ESS AND NR>2 AND  
NRS>2  
L23 40 SEA SUB=L22 SSS SAM L21  
L24 953 SEA SUB=L22 SSS FUL L21

FILE 'CAPLUS' ENTERED AT 10:24:32 ON 11 SEP 2008

L25 35 SEA ABB=ON PLU=ON (L14 OR L19) AND L24  
E US2007-581447/APPS  
L26 1 SEA ABB=ON PLU=ON US2007-581447/AP  
D SCA

FILE 'HCAPLUS' ENTERED AT 10:25:52 ON 11 SEP 2008

L27 10327 SEA ABB=ON PLU=ON ACARICIDES+PFT/CT  
L28 78251 SEA ABB=ON PLU=ON INSECTICIDES+PFT/CT  
L29 32 SEA ABB=ON PLU=ON L25 AND (L27 OR L28)  
L30 35 SEA ABB=ON PLU=ON L25 OR L29

FILE 'HCAPLUS' ENTERED AT 10:26:39 ON 11 SEP 2008

D QUE L30  
D L30 IBIB ABS HITIND HITSTR TOT

FILE 'REGISTRY' ENTERED AT 10:29:52 ON 11 SEP 2008

L31 0 SEA ABB=ON PLU=ON L14 AND C21H26NO5/MF  
L32 68 SEA ABB=ON PLU=ON L14 AND C=21  
L33 0 SEA ABB=ON PLU=ON L14 AND C21 H27NO5/MF  
L34 3 SEA ABB=ON PLU=ON L14 AND C21H27NO5/MF  
D SCA  
L35 0 SEA ABB=ON PLU=ON L34 AND 2,5-DIMETHYL/CNS  
L36 2 SEA ABB=ON PLU=ON L34 AND 2,5/CNS  
D SCA  
L37 1 SEA ABB=ON PLU=ON L19 AND C9H6F3N3O/MF  
D SCA  
L38 0 SEA ABB=ON PLU=ON L24 AND C18H14BRCL2N5O/MF  
L39 10 SEA ABB=ON PLU=ON L24 AND BR=1 AND CL=2 AND N=5 AND O=1



L40 0 SEA ABB=ON PLU=ON L39 AND NC=1  
L41 4 SEA ABB=ON PLU=ON L24 AND C18H14BRCL2N5O2/MF  
L42 4 SEA ABB=ON PLU=ON L41 AND NC=1  
D SCA  
E 1H-PYRAZOLE-5-CARBOXAMIDE, 3-BROMO-N-(4-CHLORO-2-METHYL-6-((M  
L43 1 SEA ABB=ON PLU=ON "1H-PYRAZOLE-5-CARBOXAMIDE, 3-BROMO-N-(4-CH  
LORO-2-METHYL-6-((METHYLAMINO)CARBONYL)PHENYL)-1-(3-CHLORO-2-PY  
RIDINYL)-"/CN  
SEL RN L36  
L44 62 SEA ABB=ON PLU=ON (203313-25-1/CRN OR 382608-10-8/CRN) OR  
L36  
SEL RN L37  
L45 295 SEA ABB=ON PLU=ON 158062-67-0/CRN OR L37  
SEL RN L43  
L46 67 SEA ABB=ON PLU=ON 500008-45-7/CRN OR L43  
  
FILE 'CAPLUS' ENTERED AT 11:10:07 ON 11 SEP 2008  
L47 30 SEA ABB=ON PLU=ON (L44 OR L45) AND L46  
  
FILE 'HCAPLUS' ENTERED AT 11:10:44 ON 11 SEP 2008  
L48 30 SEA ABB=ON PLU=ON L47 AND L30